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J

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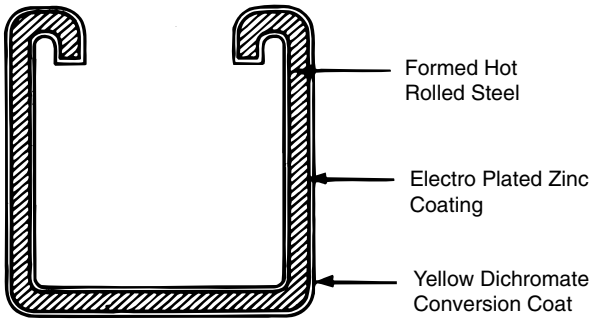


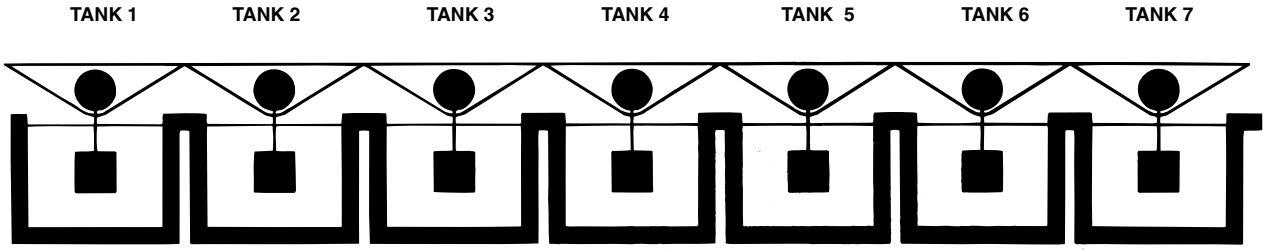
GoldGalv®

The standard GoldGalv® wiring support hardware finish on Superstrut products is a multi-step electrogalvanizing and zinc dichromate process.

The .5 mil electrogalvanized plating, rather than a standard galvanized coating, creates a cohesive molecular bond between the zinc and the steel. This resists future blistering or peeling, since corrosion cannot penetrate the bond. The plating is performed in compliance with ASTM specifications B 633-85. The electrogalvanizing provides an even distribution of zinc, even on threads, unlike other galvanizing methods.

Gold colored zinc dichromate is applied over the zinc, producing a chemically bonded non-porous barrier for protection from moisture and air. This extends the protective life of the zinc, and provides an excellent base for paint, if desired. The GoldGalv® hardware finish also provides a low electrical resistance when grounding of the system is required. Superstrut channel and fittings are plated after fabrication, so there are no unprotected edges from cutting or punching. Where field cutting is necessary or scratches occur due to construction handling, you still have the sacrificial protection of the plated zinc to minimize the corrosion of raw edges and prevent spreading.

The distinctive gold color of Superstrut products identifies your job as providing the superior GoldGalv® hardware protection.



TANK 1 "Soak Degreasing" Chemical solution removes bulk of oil and grease buildup.

TANK 2 "Electro Cleaner" The metal is negatively charged to remove minute surface particles.

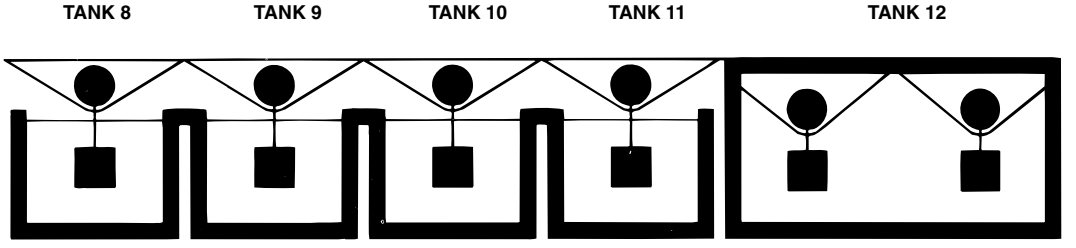
TANK 3 "Rinse" Live, clear water rinse.

TANK 4 "Sulfuric Acid Bath" Prepares the metal by etching the surface for the zinc application.

TANK 5 "Rinse" Live, clear water rinse.

TANK 6 "Zinc Tank" Electrically applies the zinc metal coating.

TANK 7 "Rinse" Chemically treated rinse water.



TANK 8 "Rinse" Live, clear water rinse.

TANK 9 "Rinse" Live, clear water rinse.

TANK 10 "Chromate Dip" A yellow dichromate conversion coat is applied to the zinc.

TANK 11 "Rinse" Live, clear water rinse.

TANK 12 "Dryer" Hot air is forced around strut until dry.

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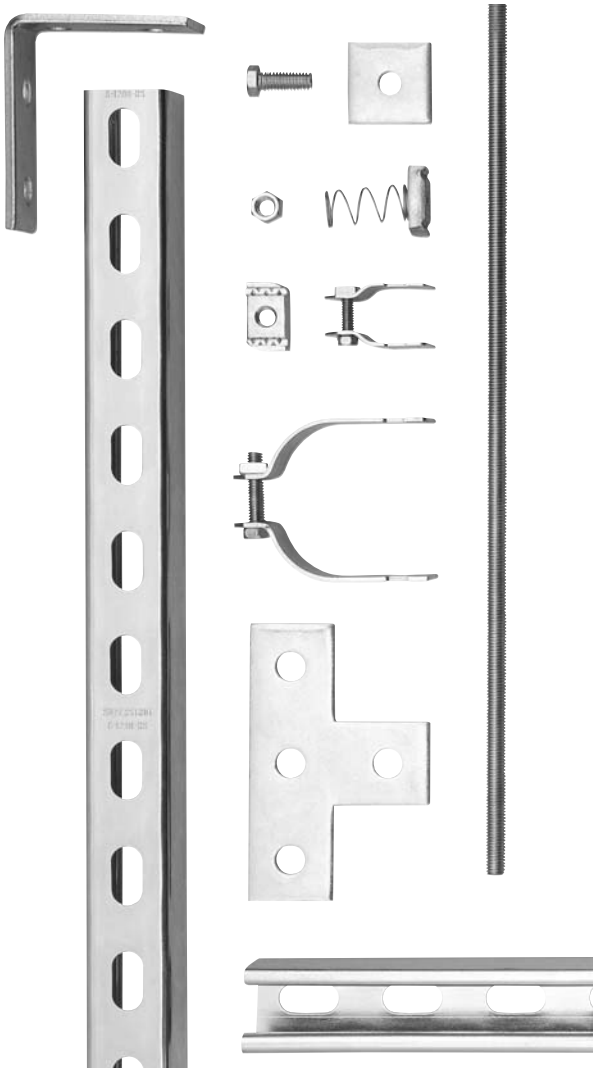
Finishes

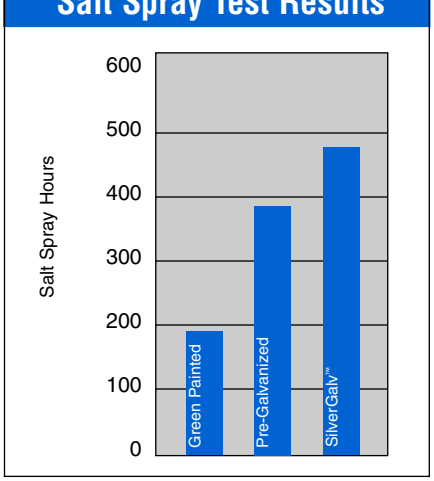


SilverGalv™

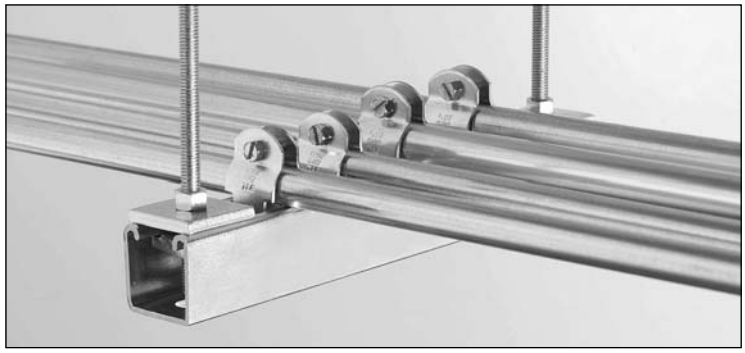
Electro-Galvanized Finish From Superstrut®

Protection is the name of the game, and SilverGalv™ delivers a winning combination of features designed to meet the most exacting specifications. SilverGalv™ offers the ultimate in corrosion protection, versatility, and performance, including…

- **Strong Abrasion Resistance**
  SilverGalv™ provides strong abrasion resistance, even under extreme conditions, thanks to its unique zinc finish and chromate barrier. The green paint finishes typically used for strut cannot compare to this level of protection.
- **Clean Finish**
  SilverGalv™ ensures a finished product that leaves no residue on your hands. In the SilverGalv™ process, a zinc finish is applied after fabrication. As a result, all the oil and grime that accumulates during manufacturing gets thoroughly cleaned off during the plating process.
- **Paintable Surface**
  Applying SilverGalv™ after fabrication provides the end user with a clean, smooth surface to paint.
- **Interchangeable Silver Color**
  SilverGalv's silver hue means it can be used interchangeably with either standard pre-galvanized channel systems or silver colored fittings commonly used with green painted strut systems.
- **No More White Rust**
  With pre-galvanized strut, white rust frequently taints the zinc finish. With SilverGalv™, this problem is eliminated thanks to a clear chromate applied over the zinc that stops white rust from forming.
- **Punched Holes and Cut Ends are Protected**
  Unlike a pre-galvanized finish where steel holes and cuts have no corrosion protection, Silver-Galv™ protects every portion of the strut. Because SilverGalv's finish is applied after fabrication, all punched holes and cut ends share a consistent quality with the rest of the material.



SilverGalv™ provides more corrosion protection than Pre-Galvanized or Green Painted finishes.



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Finishes

Green or White Urethane Powder Coated (Suffix GR or WH)

Urethane powder resins are applied electrostatically to the steel after fabrication. Once the material is completely covered with the powder-form urethane, it proceeds through a 400° baking process for ten minutes, creating a chemical bond. This results in a minimum of 1.5 mil thickness of urethane coating providing excellent resistance to chipping or peeling.

Pregalvanized (Suffix PG)

A zinc coating is applied by hot-dipping the steel coil at the mill prior to fabrication. Once the material is worked by roll-forming, cutting, or punching, minimal protection is provided for raw edges. This weakness is typical with precoated material and affects the channel section around holes, extreme ends, and the edges of the "U" shape lips. Superstrut pregalvanized material is in conformance with ASTM A-525/G-90 specification standards, representing 0.90 ounces of zinc per square foot of steel. This finish is often referred to as "hot-dipped mill galvanized" or "mill galvanized."

Hot-Dipped Galvanized (Suffix HDG)

The material is zinc coated after fabrication providing total product protection on all surfaces. The fabricated channel or fitting is suspended and then dipped into tanks of hot zinc for a prolonged period, creating a coherent bond. The result is superior corrosion resistance as compared to pre-galvanized material. Hot-dipped galvanizing is not recommended for threaded products, considering the zinc coating thickness will often disrupt the threads. Superstrut hot-dipped galvanized is in conformance with ASTM Specifications A-123 (formerly A-386) and A-153. Superstrut channels maintain a minimum 1.5 ounces of zinc per square foot of steel or 2.5 mils (ASTM A-123, Thickness Grade 65). This finish is also referred to as "hot-dipped galvanized after fabrication."

Electrogalvanized (Suffix EG)

Often referred to as "zinc plated" or "electroplated zinc," the steel and .5 mils of zinc are bonded by an electrolysis process. This is the identical process used in the GoldGalv® hardware finish without the numerous benefits of the gold colored dichromate conversion coat (see GoldGalv® hardware finish for more information). Electrogalvanizing is most commonly applied to small fittings, hardware, and threaded products.

PVC Coated (Suffix PVC)

A polyvinyl chloride (PVC) plastic coating is fused to the channel, fitting or accessory after fabrication by immersing the part in fluidized PVC tanks. The fused-melt mixed powder PVC coating thickness is 15 mils (.015") plus or minus five mils. PVC material is a thermoplastic and will soften in high temperature. An inherent weakness with PVC coatings occurs when field alterations are applied, such as cutting or drilling. These acts disrupt the sealed PVC product and warrant field touch-up. Thomas & Betts cannot be held responsible for field-altered PVC coated products.

Copper Plated ("T" inserted as the second digit of the part number; Example: CTL-710-2)

Plain steel proceeds through a series of rinse tanks to clean the material surface. Once cleaned, the fabricated part is etched by dipping into an acid pickle bath to prepare the surface for adhesion. Copper is electrically applied by submerging in a copper bath. To seal the finish, the product continues to a sealer tank and is then dried by forced hot air.

Black (Suffix B)

A black finish is raw steel with only a light oil finish as supplied by the steel manufacturer. There is no protection against red rust.

Stainless Steel (Suffix SS)

Superstrut channel is supplied in type 304 stainless steel when required. Type 316 stainless steel may be available upon request.

Aluminum (Suffix AL)

Superstrut channel and hardware are available in aluminum. See page J7 of this catalog for more information.

Warning: Load tables, charts, and design criteria provided in this catalog are intended as guides only. Selection of proper product, installation intervals, erection, and placement are the responsibility of the user.

Pipe hanger products when improperly used as tools of erection have occasionally failed. The user is cautioned to use the product only as it was intended to avoid an accident.

We reserve the right to change material and finish specifications without notice, to improve our products.

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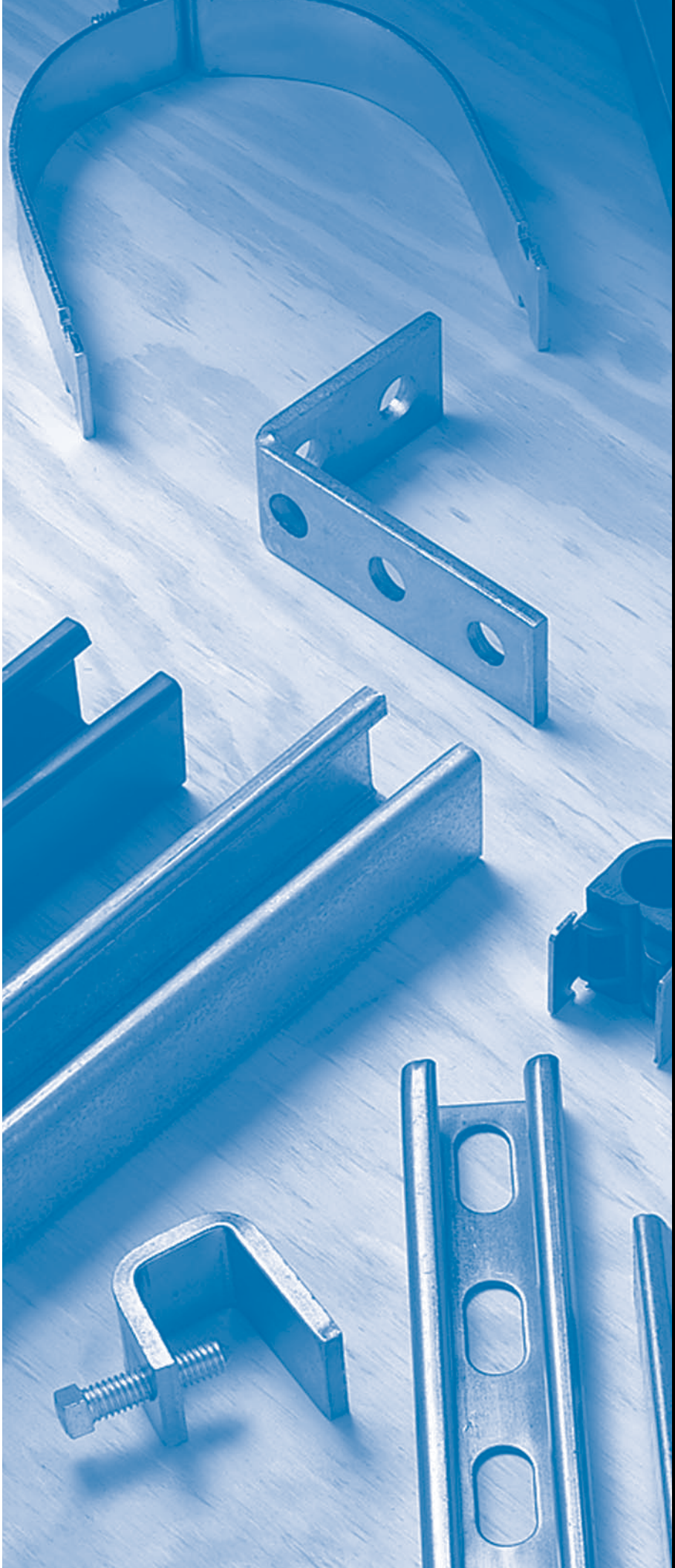

Superstrut®

Metal Framing Channels
(Series 1000) . . . . . J6 - J8

J

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Superstrut®

Metal Framing Channels – Series 1000

Material

Channels are cold formed from hot rolled pickled and oiled strip steel.

Material Thickness

All series 1200 12 gauge material

All series 1400 14 gauge material

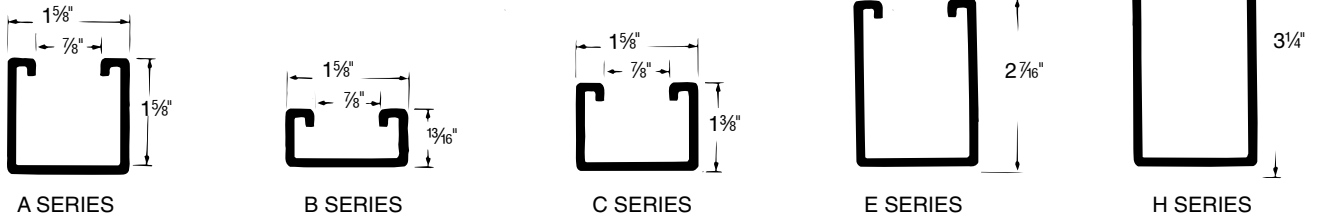
Standard Lengths

Standard lengths for channel are 10 ft. and 20 ft.

Standard length tolerance ± 1/8".

Shorter lengths are available at a small cutting charge.

GoldGalv® hardware finish is standard for all Superstrut products. This is a multi-process finish of electro-plated zinc, followed by gold colored zinc dichromate to give excellent corrosion resistance and superior paint base. See page J2 for a complete description of the GoldGalv hardware finish. GoldGalv hardware will be furnished if no other finish is specified.



A SERIES B SERIES C SERIES E SERIES H SERIES

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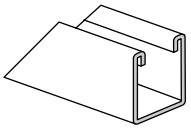
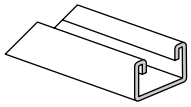
Metal Framing Channels – Series 1000

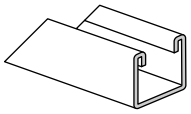
Standard Channels



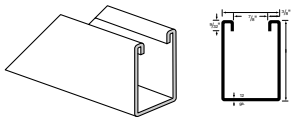
A-1200
Channel available in Solid, Half Slot, Punched, Slotted and Knockout configurations.
Wt./Ft. 1.90 lbs.



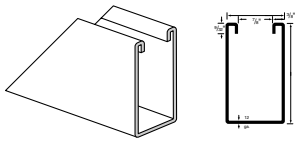
B-1200
Channel available in Solid, Half Slot, Punched and Slotted configurations.
Wt./Ft. 1.28 lbs.



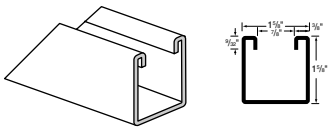
C-1200
Channel available in Solid, Half Slot and Punched configurations.
Wt./Ft. 1.70 lbs.



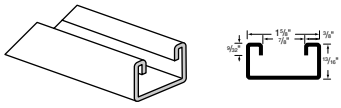
E-1200
Channel available in Solid, Half Slot and Punched configurations.
Wt./Ft. 2.47 lbs.



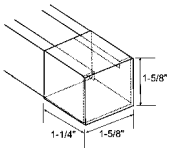
H-1200
Channel available in Solid, Half Slot and Punched configurations.
Wt./Ft. 3.05 lbs.



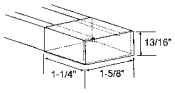
A-1400
Channel available in Solid, Half Slot, Punched, Slotted and Knockout configurations.
Wt./Ft. 1.40 lbs.



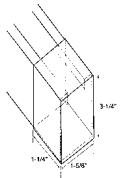
B-1400
Channel available in Solid, Half Slot, Punched and Slotted configurations.
Wt./Ft. 0.90 lbs.



A804 NEOP WH
1⅝" x 1⅝" White Plastisol Safety End Cap.

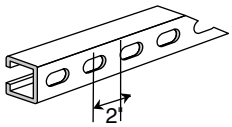


B804 NEOP WH
1⅝" x 13/16" White Plastisol Safety End Cap.



H804 NEOP WH
1⅝" x 3¼" White Plastisol Safety End Cap.

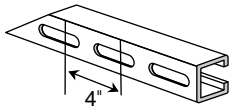
Hole Configurations



Half Slot Channel

Cat. No.	Dim.	Ga.	Std. Ctn.
A-1200-HS	1⅝ x 1⅝	12	*
B-1200-HS	1⅝ x 13/16	12	*
C-1200-HS	1⅝ x 1⅜	12	500
E-1200-HS	1⅝ x 2 7/16	12	500
H-1200-HS	1⅝ x 3¼	12	*
A-1400-HS	1⅝ x 1⅝	14	*
B-1400-HS	1⅝ x 13/16	14	500

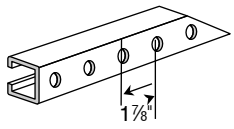
9/16" x 1⅛" slots on 2" centers.
* Standard lengths 10 ft. and 20 ft. for standard cartons. Please consult your local T&B representative.



Slotted Channel

Cat. No.	Dim.	Ga.	Std. Ctn.
A-1200-S	1⅝ x 1⅝	12	*
B-1200-S	1⅝ x 13/16	12	*
A-1400-S	1⅝ x 1⅝	14	*
B-1400-S	1⅝ x 13/16	14	*

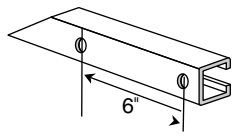
7/16" x 3" slots on 4" centers.
* Standard lengths 10 ft. and 20 ft. for standard carton. Please consult your local T&B representative.



Punched Channel

Cat. No.	Dim.	Ga.	Std. Ctn.
A-1200-P	1⅝ x 1⅝	12	500
B-1200-P	1⅝ x 13/16	12	500
H-1200-P	1⅝ x 13/16	12	500
A-1400-P	1⅝ x 1⅝	14	500
B-1400-P	1⅝ x 13/16	14	500

9/16" holes on 1⅞" centers.
Avail. in 10 & 20 ft. lengths.



Channel with Knockouts

Cat. No.	Dim.	Ga.	Std. Ctn.
A-1200-KO	1⅝ x 1⅝	12	*
A-1400-KO	1⅝ x 1⅝	14	*

KO for ½" conduit.
Please consult your local T&B representative.
Standard Finish – GoldGalv® brand.

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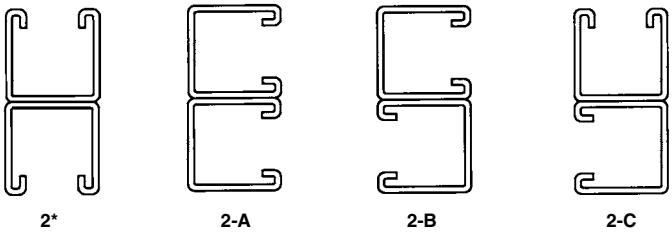
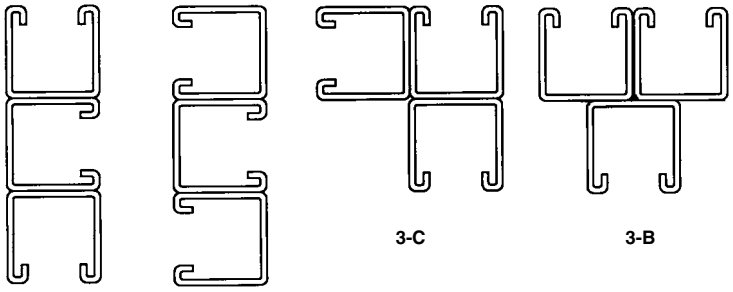
Superstrut®

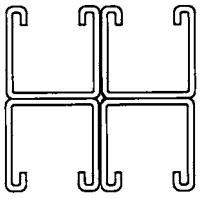
Metal Framing Channels (Series 1000)



2* 2-A 2-B 2-C



3-A 3-B 3-C 3-B



4

Superstrut Channels-Welding Combinations

All Superstrut Channels are available in a variety of combinations – some are shown here.

Multiple channels are spot welded on 3" centers.

How to Order

10 and 20 ft. lengths – steel.

Special lengths may be ordered.

Replace the 3 last digits of the regular channel catalog number with the designation of the desired combination.

EXAMPLES: Two A-1200 channels back to back are ordered as A-1202. Two A-1200 channels back to side are orders as A-1202-C.

Specify desired finish or material.

*"A" and "B" Series back-to-back combinations are joined using Thomas & Betts' steel rivet joining process. The riveted channel is offered in standard GoldGalv®, stainless steel, painted, pre-galvanized, and hot-dip galvanized finishes.

Standard lengths 10 ft. and 20 ft.
Standard Finish – GoldGalv®, unless otherwise stated.

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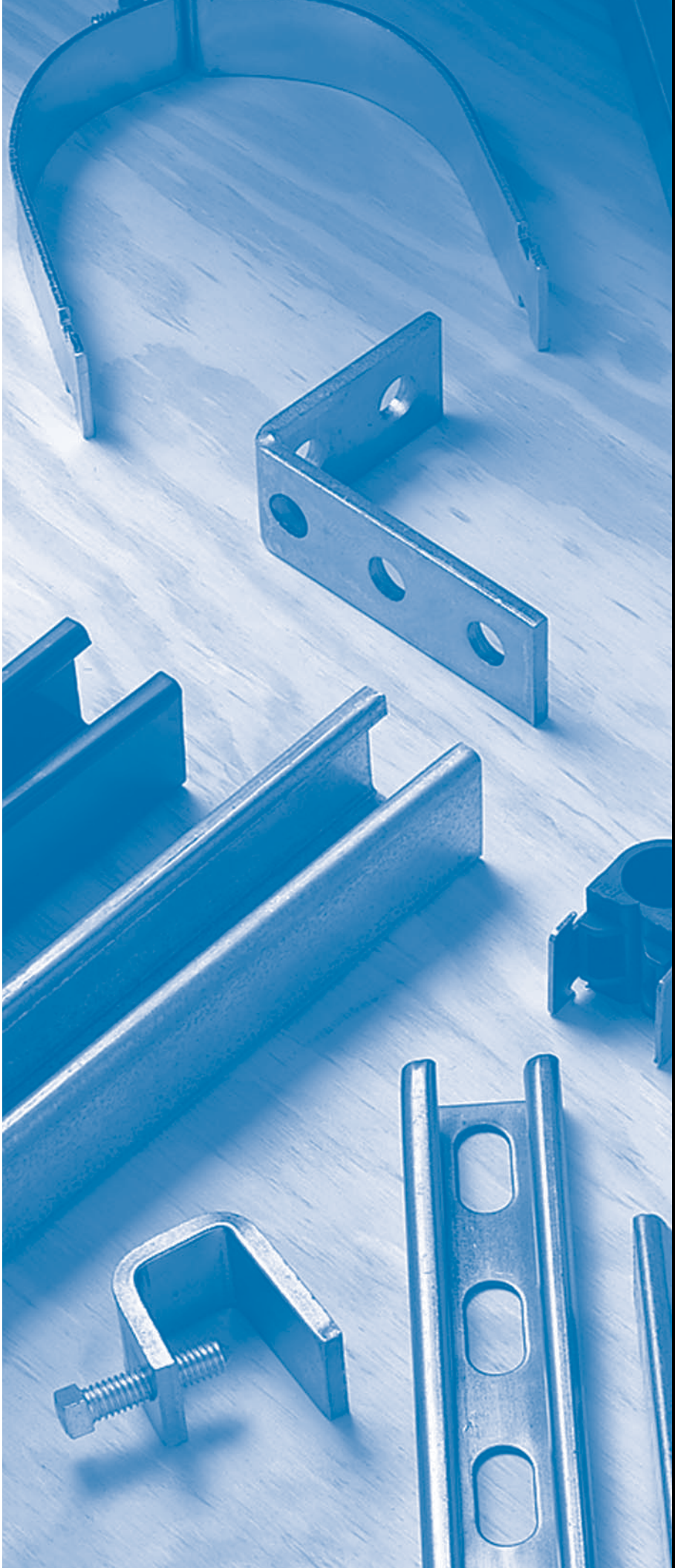

Superstrut®

Threaded Products and Hardware
(Series 100) . . . . . J10 - J16

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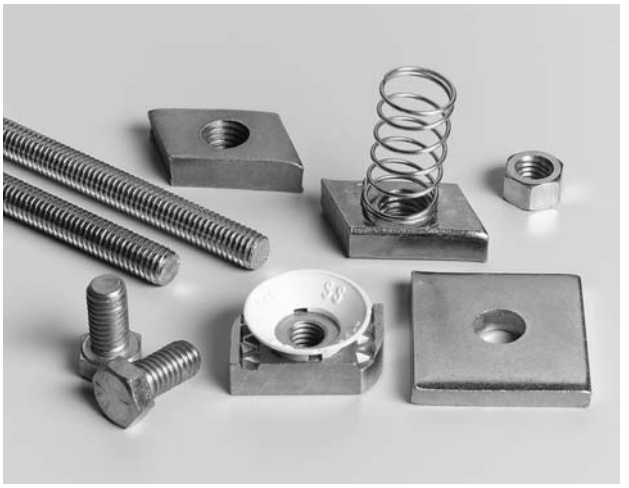

Channel Nuts

Superstrut channel nuts are manufactured from mild steel and are case hardened.

Design Data

Superstrut self aligning channel nuts are designed to provide resistance to pull out and resistance to side slip in excess of the full strength of the channels with which they are used. The extreme resistance to side slip results from the unique design of the alternate teeth, spaced and designed to develop a wedging action that increases with pressure or load.

Load ratings for ½" strut nuts used in Superstrut

Channel No	Slip Resistance lbs.	Pull Out Strength lbs.
A-1200	1500	2000
C-1200	1500	2000
B-1200	1400	1400
A-1400	1000	1400
B-1400	1000	1400

If connections will be subjected to dynamic or seismic loading conditions, contact the factory for design assistance.

UC-100 Universal Cone Nut

Eliminates the inventory and installation hassles of conventional spring nuts. Fits all 1⅝" channel, regardless of depth, with a simple twist of your thumb. Pliable nylon cone secures the nut in place through the entire range of construction site temperatures.

Screw Threads

Thread Size	¼	⅝	⅜	½
Threads per inch	20	18	16	13
Design Torque (ft.-lbs.)	6	11	19	50

All threaded products are American Standard thread, free fit class 2.

GoldGalv® hardware finish is standard for all Superstrut products. This is a multi-process finish of electro-plated zinc, followed by gold colored zinc dichromate to give excellent corrosion resistance and a superior paint base. See page J2 for a complete description of the GoldGalv® hardware finish.

Note: Standard Spring and Springless Nuts are supplied with a silver electro-galvanized (EG) finish. These items are not visible in a gold system and are universal with other systems' finishes and colorations.

Standard Finish – GoldGalv®, unless otherwise stated.

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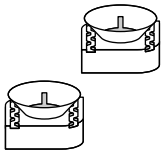
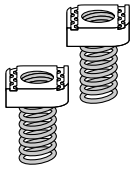
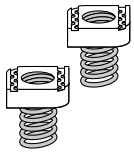
Nuts & Bolts



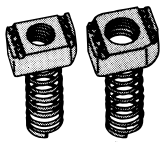
CM-100
Nylon Cone Nut
Sizes: ¼", ⅜", *½" & **100B½"
For all 1⅝" channel.
*Will not fit "B" series channel.
**For "B" Series channel.
GoldGalv® Finish



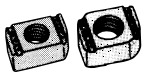
A-100
Regular Spring Nut
Sizes: ¼", 5⁄16", ⅜", ½", 5⁄8", ¾" & ⅞"
Nut is square over ½" size.
For all "A" and "C" series channel and inserts.
Silver Electroplated Finish



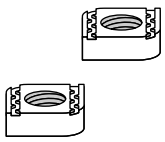
B-100
Short Spring Nut
Sizes: ¼", 5⁄16", ⅜" & ½"
Nut is square over ½" size.
For all "B" series channel and inserts.
Silver Electroplated Finish



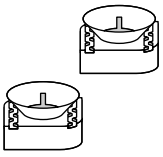
H-100
Long Spring Nut
Sizes: ⅜", ½" & 5⁄8"
Nut is square over ½" size.
For all "E" and "H" series channel and inserts.
Silver Electroplated Finish



AC-100
Springless Nut
Sizes: ¼", ⅜", ½", 5⁄8" & ¾"
Nut is square over ½" size.
For all "A", "C", "E" and "H" series channel and inserts.
Silver Electroplated Finish

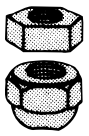


AB-100
Sizes: ¼", 5⁄16", ⅜", ½", 5⁄8" & ¾"
Nut is square over ½" size.
For use with all channels.
Silver Electroplated Finish



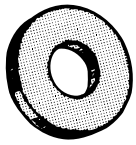
UC-100
Universal Nylon Cone Nut
Sizes: ¼",⅜" & ½"
For all 1⅝" & 1½" channels. May be used with ALL strut depths. Can be used for CM-100, A-100, B-100, & AB-100 Series.
GoldGalv® Finish

E-145
Standard Hex Nut
Sizes: ¼", ⅜", ½", 5⁄8", ¾", ⅞" & 1"
GoldGalv® Finish

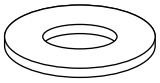


ES-145
Swivel Nut and Jam Nut Combinations
Sizes: ⅜" & ½"
GoldGalv® Finish

E-146
Standard Square Nut
Sizes: ¼", 5⁄16", ⅜", ½" & 5⁄8"
GoldGalv® Finish



E-147
Flat Steel Washer
Sizes: ¼", 5⁄16", ⅜", ½", 5⁄8", ¾" & ⅞"
GoldGalv® Finish

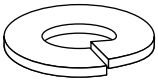


EF-147

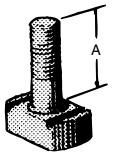
Fender Washer

Cat. No.	Size	A	B	Std. Ctn.
*EF-147-1/4	¼	1¼	5⁄16	100
*EF-147-3/8	⅜	1½	7⁄16	100
*EF-147-1/2	½	2	9⁄16	100

GoldGalv® Finish



E-148
Lock Washer
Sizes: ¼", ⅜", ½" & 5⁄8"
GoldGalv® Finish

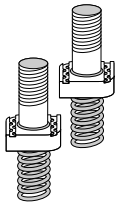


A-177 to A-180

Springless Stud Nut

Cat. No.	Bolt Dia	Length A	Std. Ctn.
A-177-1/4 x 1	¼	1	50
A-177-1/4 x 1-1/4	¼	1¼	250
A-179-3/8 x 1	⅜	1	250
A-179-3/8 x 1-1/4	⅜	1¼	50
A-180-1/2 x 1*	½	1	250
A-180-1/2 x 1-1/4**	½	1¼	250

For use with all channels.
* Cannot be used with "B" Series channel.
Silver Electroplated Finish



A-182 to A-185

Regular Spring Stud Nut

Cat. No.	Bolt Dia	Length A	Std. Ctn.
A-182-1/4 x 1	¼	1	250
A-182-1/4 x 1-1/4	¼	1¼	250
A-184-3/8 x 1	⅜	1	50
A-184-3/8 x 1-1/4	⅜	1¼	50
A-185-1/2 x 1	½	1	50
A-185-1/2 x 1-1/4	½	1¼	50

For all "A" and "C" series channels.
Silver Electroplated Finish

Standard Finish – GoldGalv®, unless otherwise stated.

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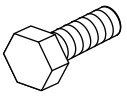
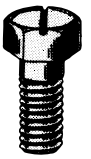
Threaded Products & Hardware (Series 100)

Nuts & Bolts

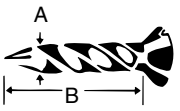


E-142
Hex Head Cap Screw
Sizes: ¼" x 1", ¼" x 1½", ⅜" x 1", ⅜" x 1½", ½" x 15⁄16" & ½" x 1½"
See price sheet for additional sizes.

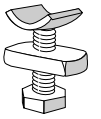


E-149
Slotted Hex Indented Head Machine Screw
Sizes: ¼" x ¾", ¼" x 1", 5⁄16" x 1¼" & ⅜" x 1¼"

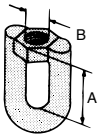
E-150-S
Lag Bolt
Screw Size: ⅜" & ½"
Drill Size: ¼" & 11⁄32"



E- 151-D
Wood Screw Drive
Size A: ¼"
Size B: 2"
Max. Rec. Load: 100 lbs.

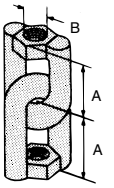


ES-142
Seismic Stiffner Nut
Size: ES-142-1/2 x 1½"
Bolt Dia.: ½"



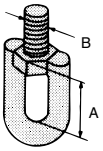
E-120

Cat No.	A	B	Design Load lbs.	Std. Ctn.
E-120-3/8	1⅜	⅜	1000	25
E-120-1/2	1½	½	1800	25



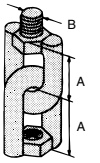
E122

Cat No.	A	B	Design Load lbs.	Std. Ctn.
E-122-3/8	1⅜	⅜	1000	25
E-122-1/2	1½	½	1800	10



E-130

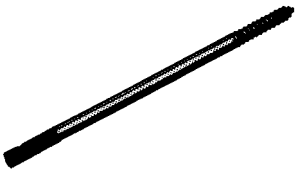
Cat No.	A	B	Design Load lbs.	Std. Ctn.
E-130-3/8	1⅜	⅜	1000	25
E-130-1/2	1½	½	1800	25



E-131

Cat No.	A	B	Design Load lbs.	Std. Ctn.
E-131-3/8	1⅜	⅜	1000	25
E-131-1/2	1½	½	1800	10

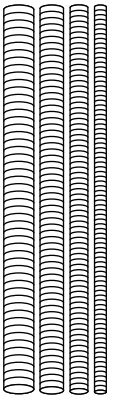
Threaded Rod



E-151
Black available upon request.
Machine Threaded opposite end, carbon steel.
Order by Prod. #, rod, size and rod length.

E-151 – Coach Screw Rod

Cat No.	Rod Size	Standard Rod Lengths	Std. Ctn.
E-151-3/8	⅜	4, 6, 8, 10, 12	100
E-151-1/2	½	4, 6, 8, 10,	100



H-104
Series Rod

H-104 – Hanger Rod: Continuous Thread

Cat No.	Size	Threads per inch	Design Load lbs.	Std. Ctn.
H-104-1/4	¼	20	150	*
H-104-3/8	⅜	16	610	*
H-104-1/2	½	13	1130	*
H-104-5/8	⅝	11	1810	*
H-104-3/4	¾	10	2710	*
H-104-7/8	⅞	9	130	*
H-104-1	1	8	4960	*

Black available upon request.
*Standard lengths 6 ft., 10 ft. and 12 ft.

Standard Finish – GoldGalv®, unless otherwise stated.

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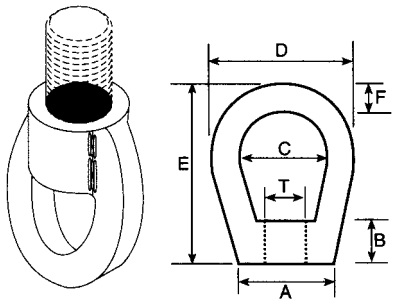
For use on high temperature piping installations. Conforms to Federal Specification WWH-171E, type 16 and MSS SP-69, type 16. Order by prod. #, rod size, and finish.

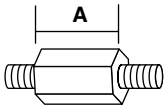
E-120-A



Cat No.	Rod Size T	A	B	C	D	E	F	Design Load lbs.	Std. Ctn.
E-120-A-3/8-B	⅜-16	⅞	⅝	1¼	2	2½	⅜	2700	100
E-120-A-1/2-B	½-13	⅞	⅝	1¼	2	2½	⅜	2700	25
E-120-A-5/8-B	⅝-11	1⅜	¾	1½	2½	3	½	5000	25
E-120-A-3/4-B	¾-10	1⅜	¾	1½	2½	3	½	5000	25
E-120-A-7/8-B	⅞-9	1½	1⅝	1⁵⁄₁₆	3⅝	4½	¾	10000	25

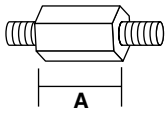
- *Weldless Eye Nut*
- *Drop Forged Steel*

Reducing Rod Coupling



Cat No.	Rod Size	A	Std. Ctn.
H-119-1/4x 3/8	¼ to ⅜	1½	50
H-119-3/8x 1/2	⅜ to ½	1¼	50
H-119-1/2x 5/8	½ to ⅝	1¼	50
H-119-5/8x 3/4	⅝ to ¾	1½	50
H-119-3/4x 7/8	¾ to ⅞	1¾	50

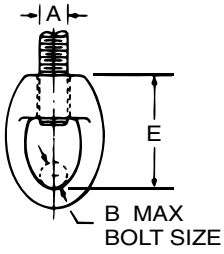
Standard Rod Coupling



Cat No.	Rod Size	A	Std. Ctn.
H-119-1/4	¼	⅞	50
H-119-5/16	⁵⁄₁₆	⅞	50
H-119-3/8	⅜	1⅛	50
H-119-1/2	½	1¼	50
H-119-5/8	⅝	2⅛	50
H-119-3/4	¾	2¼	50
H-119-7/8	⅞	2½	50
H-119-1	1	2¼	50

For attaching hanger rod to various types of hangers and beam clamps. Specify rod size, length, catalog number, and finish.

M-117



Cat. No.	Rod Size A	Pipe Size	B	E	Max. Rec. Load, lbs.	Std. Ctn.
M-117-1/4	¼	⅜	¼	1¹¹⁄₃₂	230	100
M-117-3/8	⅜	½ - 2	¼	1¹¹⁄₃₂	610	100
M-117-1/2	½	2½ - 3½	¼	1¹⁷⁄₃₂	1130	100
M-117-5/8	⅝	4 - 5	⅜	1¹³⁄₁₆	1810	100
M-117-3/4	¾	6	½	2⁵⁄₃₂	2400	100
M-117-7/8	⅞	8	½	2¹¹⁄₃₂	2800	100

- *Eye Socket*
- *Standard Finish: Black (B)*
- *Malleable iron*

Standard Finish – GoldGalv®, unless otherwise stated.

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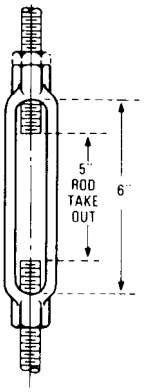
Threaded Rod Accessories



Finishes:

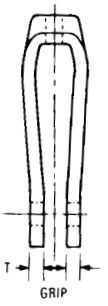
- ***Black (B) or electro-galvanized***
- ***Forged steel***

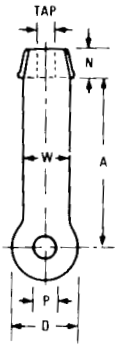
F-112 – Turnbuckle

Provides adjustment up to 6 inches for heavy loads.
Specify rod size, catalog number and finish.

Cat. No.	Rod Size	Max. Recom. Load, lb. 650°F	Std. Ctn.
F-112-3/8	⅜	610	10
F-112-1/2	½	1130	10
F-112-5/8	⅝	1810	10
F-112-3/4	¾	2710	10
F-112-7/8	⅞	3700	10
F-112-1	1	4960	10
F-112-1-1/8	1⅛	6230	10
F-112-1-1/4	1¼	8000	10
F-112-1-1/2	1½	11630	10

Also available in stainless steel. See price list for special ordering information.

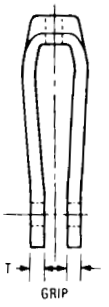


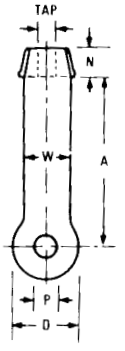


F-111 – Forged Steel Clevis

Cat. No.	Size No.	A	D	N	T	W	Max. Tap Size	Max. Pin or Bolt Size, P	Max. Rec. Load, lb. 650°F	Max. Rec. Std. 750°F	Std. Ctn.
F-111-2	2	3 1/16	1 7/16	⅝	5/16	1 1/16	⅝	⅝	1810	1610	1
F-111-2-1/2	2½	5	2	⅞	⅜	1¼	⅞	1¼	3770	3360	1
F-111-3	3	5	3	1 5/16	½	1½	1¼	1½	8000	7140	1
F-111-3-1/2	3½	6	3½	1⅝	½	1¾	1½	1¾	11630	10370	1
F-111-4	4	6	4	1¾	½	2	1¾	2	15700	14000	1
F-111-5	5	7	5	2¼	⅝	2½	2	2½	20700	18460	1
F-111-6	6	8	6	2¾	¾	3	2½	3	33500	29880	1

Finishes: Black (B), painted or electro-galvanized
For use on high temperature piping installations. Specify size, rod tapping size, size of pin hole, size of pin if required, size of grip, catalog number, and finish.
▲ Drop forged steel.
▲ Also available in stainless steel. See price list for special ordering information.





F-111WH – Forged Steel Clevis

Cat. No.	Size No.	A	D	N	T	W	Max. Tap Size	Max. Pin or Bolt Size, P	Max. Rec. Load, lb. 650°F	Max. Rec. Std. 750°F	Std. Ctn.
F-111WH-2	2	3 1/16	1 7/16	⅝	5/16	1 1/16	⅝	⅝	1810	1610	1
F-111WH-2-1/2	2½	5	2	⅞	⅜	1¼	⅞	1¼	3770	3360	1
F-111WH-3	3	5	3	1 5/16	½	1½	1¼	1½	8000	7140	1
F-111WH-3-1/2	3½	6	3½	1⅝	½	1¾	1½	1¾	11630	10370	1
F-111WH-4	4	6	4	1¾	½	2	1¾	2	15700	14000	1
F-111WH-5	5	7	5	2¼	⅝	2½	2	2½	20700	18460	1
F-111WH-6	6	8	6	2¾	¾	3	2½	3	33500	29880	1

Finishes: Black (B), painted or electro-galvanized
For use on high temperature piping installations. Specify size, rod tapping size, size of pin hole, size of pin if required, size of grip, catalog number, and finish. Includes pin and cotter.
▲ Drop forged steel.
▲ Also available in stainless steel. See price list for special ordering information.

Standard Finish – GoldGalv®, unless otherwise stated.

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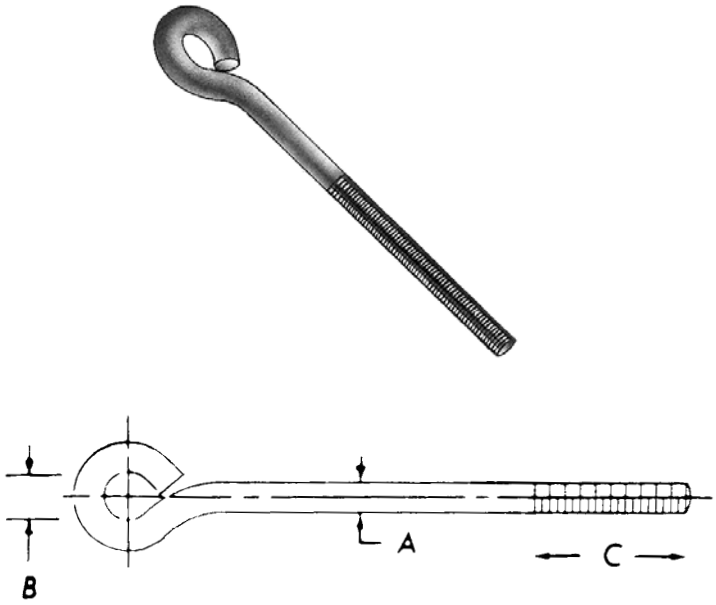
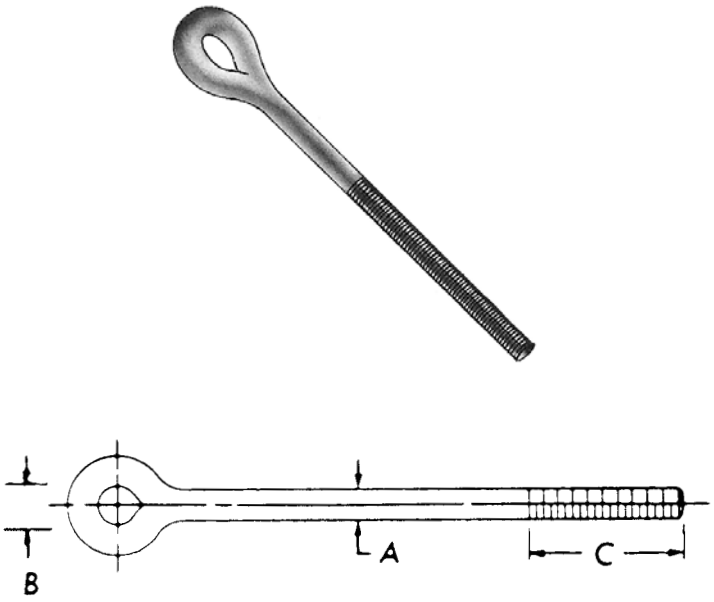


Standard Finish: Black (B) Steel

E-156 – Plain Eye Rod

Cat. No.	Rod Size A	B	C	Max. Rec. Load, lb.	Std. Ctn.
E-156-3/8	⅜	½	2½	240	1
E-156-1/2	½	⅝	2½	440	1
E-156-5/8	⅝	¾	2½	705	1
E-156-7/32	7⁄32	⅞	3	1050	1
E-156-7/8	⅞	1	3½	1470	1
E-156-1	1	1⅛	4	1940	1
E-156-1-1/8	1⅛	1¼	4½	2430	1
E-156-1-1/4	1¼	1⅜	5	3120	1
E-156-1-1/2	1½	1⅝	6	4650	1
E-156-1-3/4	1¾	2	7	6380	1
E-156-2	2	2¼	8	8280	1
E-156-2-1/4	2¼	2½	9	10900	1
E-156-2-1/2	2½	2¾	10	13400	1

Plain eye rods (not welded) are normally furnished in all rod sizes and in standard inch lengths of 8, 10, 12, 14, 18, 24, 30, 36, 42, 48, 54, 60, 66 and 72. Eye rods are available in other lengths and with other than standard length threads. Specify rod size, length, catalog number, and finish.



Standard Finish: Black (B) Steel

E-157 – Welded Eye Rod

Cat. No.	Rod Size A	B	C	Max. Rec. Load, lb.	Std. Ctn.
E-157-3/8	⅜	½	2½	610	1
E-157-1/2	½	⅝	2½	1130	1
E-157-5/8	⅝	¾	2½	1810	1
E-157-3/4	¾	⅞	3	2710	1
E-157-7/8	⅞	1	3½	3770	1
E-157-1	1	1⅛	4	4960	1
E-157-1-1/8	1⅛	1¼	4½	6230	1
E-157-1-1/4	1¼	1⅜	5	8000	1
E-157-1-1/2	1½	1⅝	6	11630	1
E-157-1-3/4	1¾	2	7	15700	1
E-157-2	2	2¼	8	20700	1
E-157-2-1/4	2¼	2½	9	27200	1
E-157-2-1/2	2½	2¾	10	33500	1

Welded eye rods are normally furnished in all rod sizes and in standard inch lengths of 8, 10, 12, 14, 18, 24, 30, 36, 42, 48, 54, 60, 66 and 72. Eye rods are available in other lengths and with other than standard length threads. Specify rod size, length, catalog number, and finish.

Standard Finish – GoldGalv®, unless otherwise stated.

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Notes

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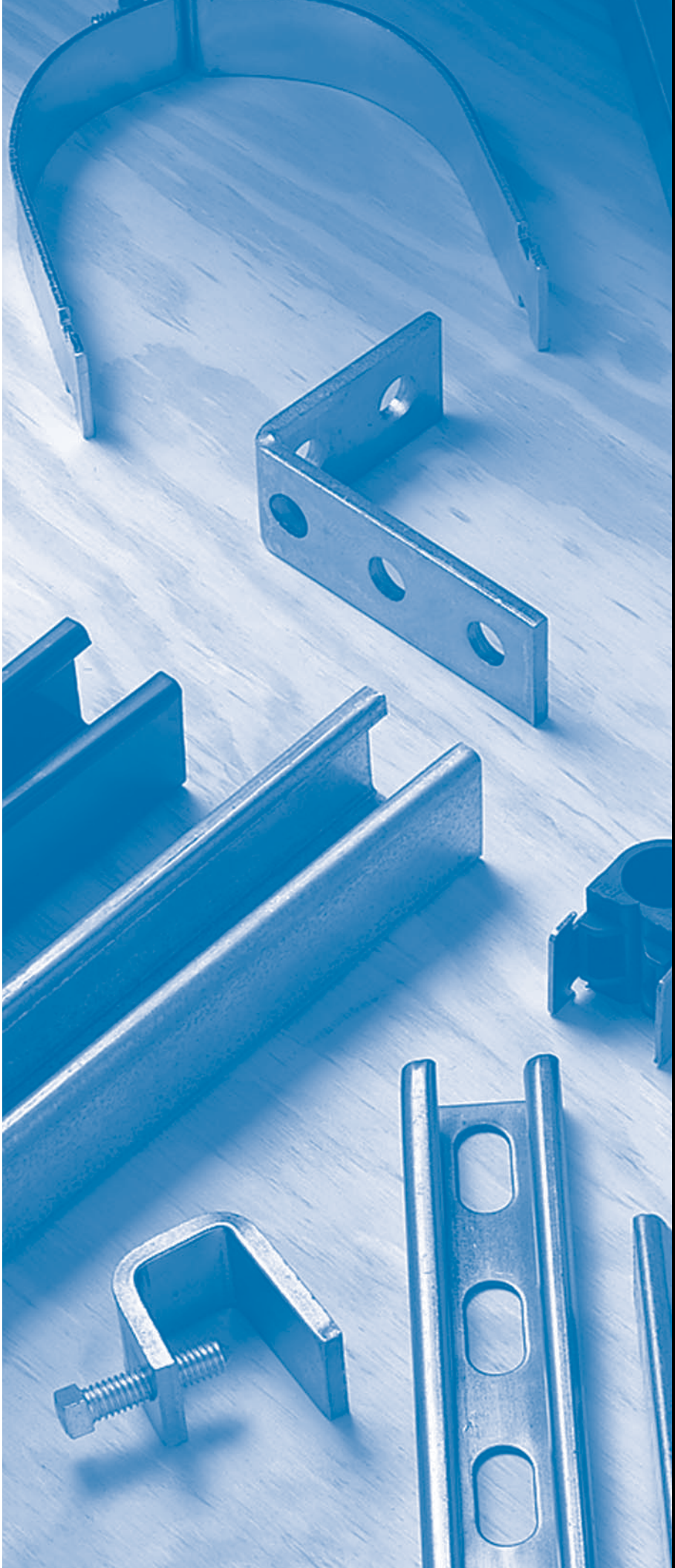


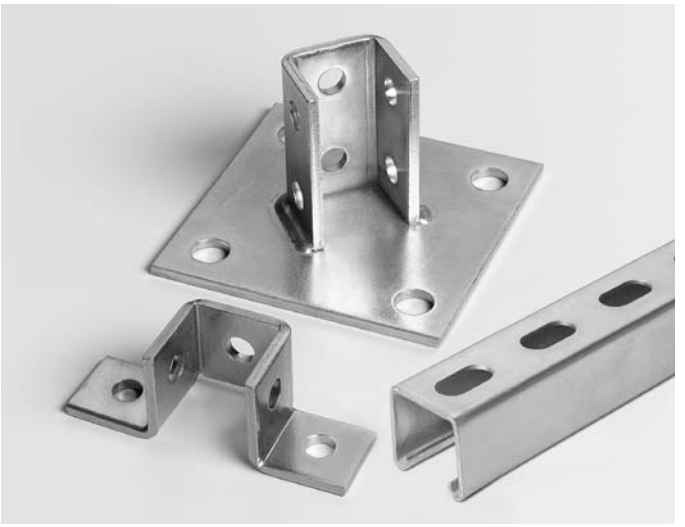
Superstrut®

Fittings and Brackets
(Series 200) . . . . . J18 - J28

J

Thomas&Betts

Fittings & Brackets (Series 200)



Material

Superstrut fittings and brackets are manufactured from hot rolled carbon steel.

Dimensions

The following standard dimensions apply to all fittings except as indicated on the individual drawings.

Hole spacing	13⁄16" from end of fittings
Hole spacing	1 7⁄8" centers
Hole size	9⁄16" diameter
Material	1 5⁄8" wide
Material	1⁄4" thick

Application Instructions

Parts drawings illustrate a typical use for the fitting, and in many cases other uses for the part are appropriate.

Design Data

Ratings vary when used with 12 or 14 gauge channel and are shown for each channel material.

GoldGalv® hardware finish is standard for all Superstrut products. This is a multi-process finish of electro-plated zinc, followed by gold colored zinc dichromate to give excellent corrosion resistance and a superior paint base. See page J2 for complete description of the GoldGalv® hardware finish. GoldGalv® hardware will be furnished if no other finish is specified.

Nuts and Bolts Required

Unless otherwise noted, nuts and bolts for use with fittings and brackets should be ordered separately.

The standard bolt for the 9⁄16" hole is a 1⁄2" hex head cap screw 15⁄16" long. The 15⁄16" length may be used with all series channel.

Standard Finish – GoldGalv®, unless otherwise stated.

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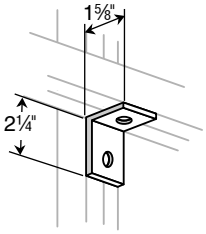
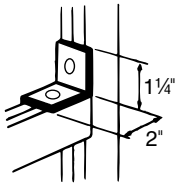
Fittings & Brackets (Series 200)



AB-201



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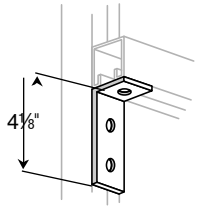

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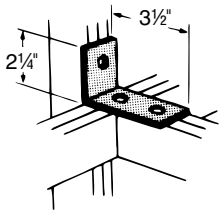

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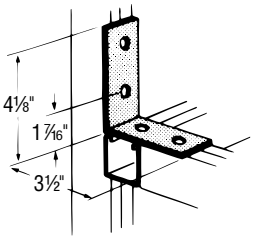

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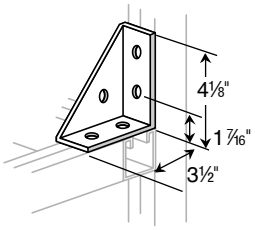

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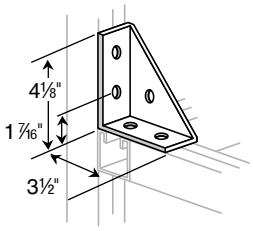

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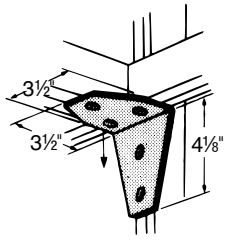

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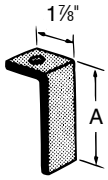
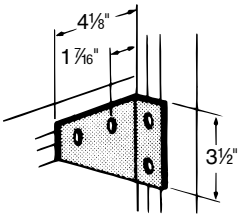
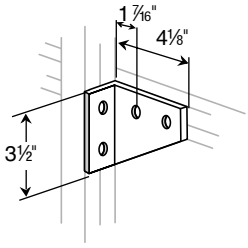


Cat No.	A	Std Ctn.
AB-252-1	3⅞	10
AB-252-2	5⅞	10
AB-252-3	7⅞	10
AB-252-4	9⅞	10

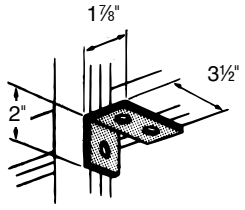
AB-252



AB-254-R



AB-254-L



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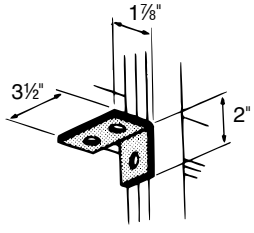

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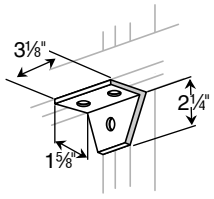
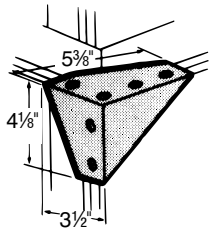


AB-274



AB-284-R

Standard Dimensions

Hole Spacing	13⁄16" From End
Hole Spacing	1⅞" Centers
Hole Size	9⁄16" Diam.
Material	1⅝" Width
Material	¼" Thick

Standard Finish – GoldGalv®, unless otherwise stated.

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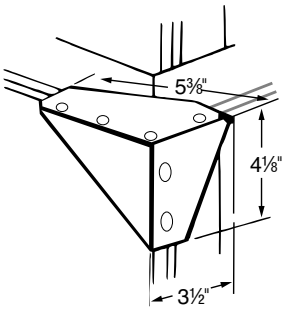
Fittings & Brackets (Series 200)



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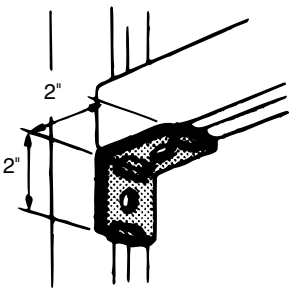

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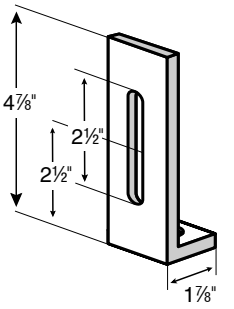

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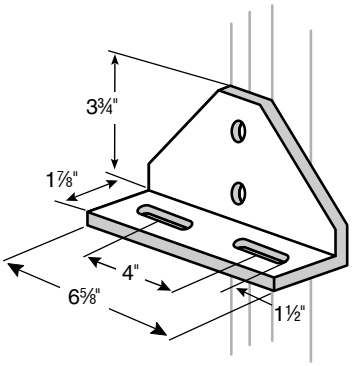

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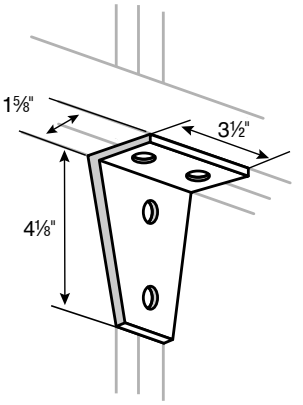

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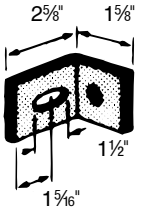

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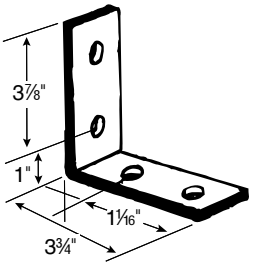

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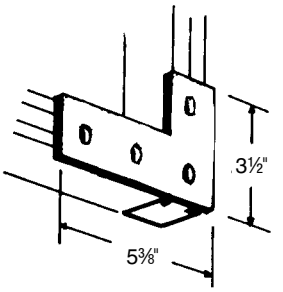

N-219

Standard Dimensions

Hole Spacing	13⁄16" From End
Hole Spacing	1⅞" Centers
Hole Size	9⁄16" Diam.
Material	1⅝" Width
Material	¼" Thick

Standard Finish – GoldGalv®, unless otherwise stated.

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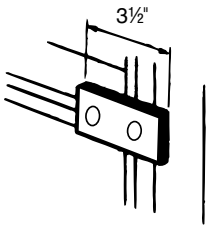
Fittings & Brackets (Series 200)

Flat Plate Fittings



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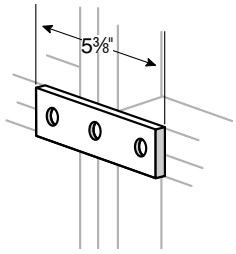

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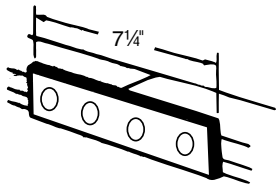

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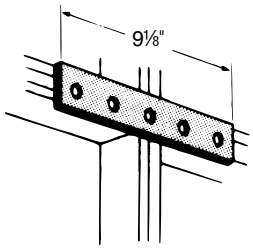

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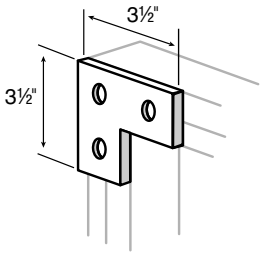

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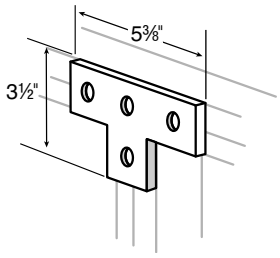
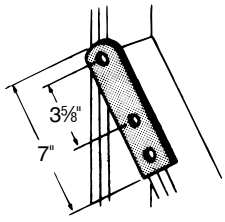
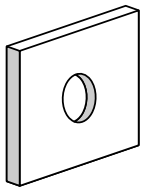


AB-220



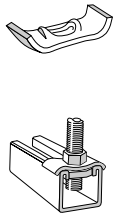
AB-240



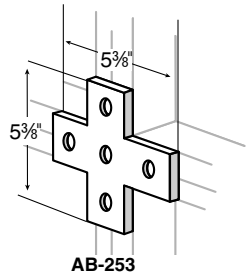
AB-241

Square Washer

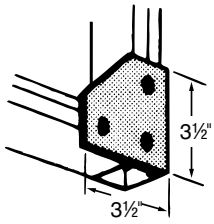
Cat No.	Bolt Size	Std. Ctn.
AB-241-1/4	¼	100
AB-241-5/16	5⁄16	100
AB-241-3/8	⅜	100
AB-241-1/2	½	100
AB-241-5/8	⅝	100
AB-241-3/4	¾	50



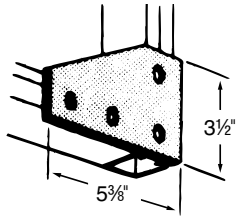
AB-242
For use with either ⅜" or ½" hanger rod



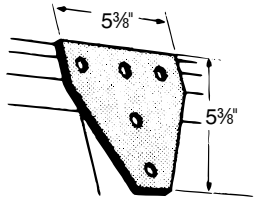
AB-253



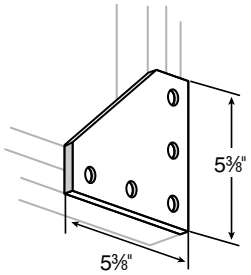
AB-255



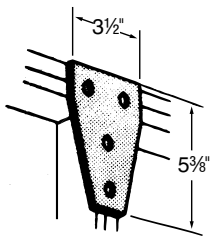
AB-257



AB-261



AB-263



AB-265

Standard Dimensions

Hole Spacing	13⁄16" From End
Hole Spacing	1⅞" Centers
Hole Size	9⁄16" Diam.
Material	1⅝" Width
Material	¼" Thick

Standard Finish – GoldGalv®, unless otherwise stated.

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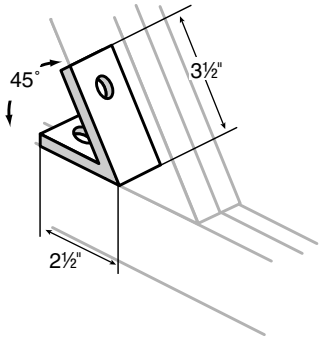
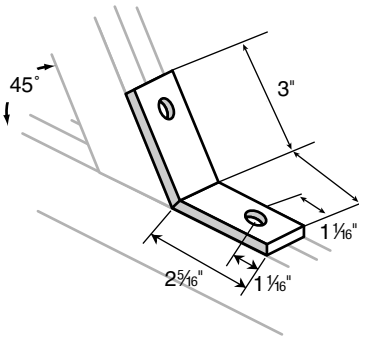
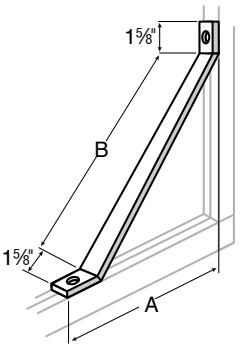
Angular Fittings



AB-225



AB-227



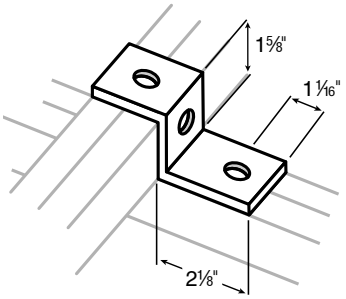
AB-239

Cat No.	A	B	Std. Ctn.
AB-239-1	7 13⁄16	8½	15
AB-239-2	13¾	17	10
AB-239-3	19¾	25½	10

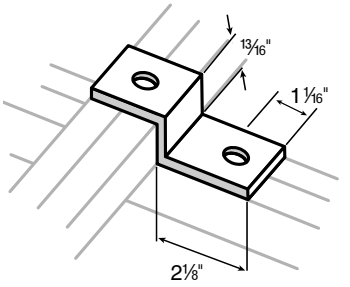
J

Superstrut®

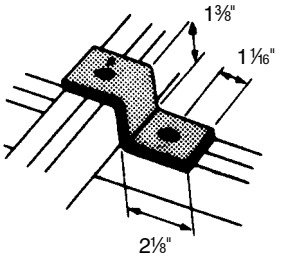
"Z" Shape Fittings



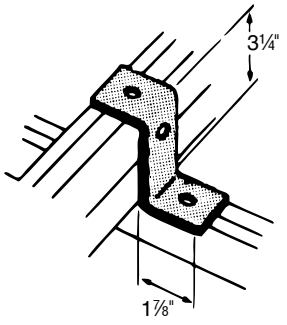
A-209
For attaching "A" series channel.



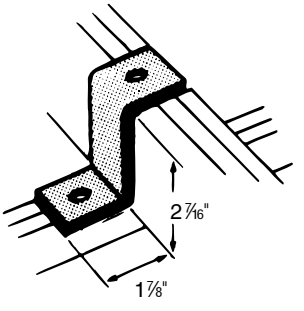
B-209
For attaching "B" series channel.



C-209
For attaching "C" series channel.



CZ-209
For attaching "A" back to back.



EZ-209
For attaching "E" series channel.

Standard Dimensions

Hole Spacing	13⁄16" From End
Hole Spacing	1 7⁄8" Centers
Hole Size	9⁄16" Diam.
Material	1 5⁄8" Width
Material	¼" Thick

Standard Finish – GoldGalv®, unless otherwise stated.

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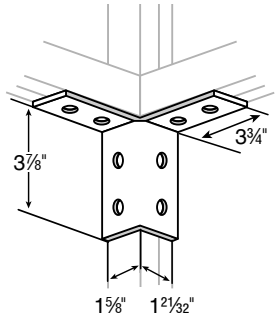
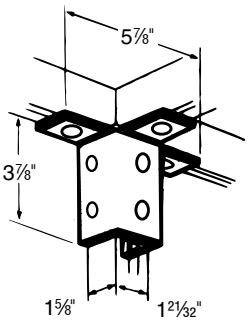
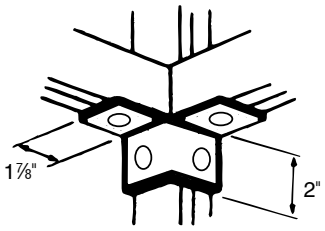
Wing Shape Fittings



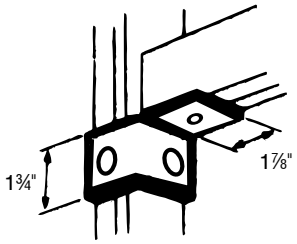
A-217



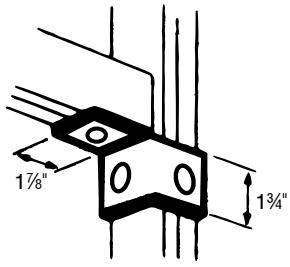
A-218



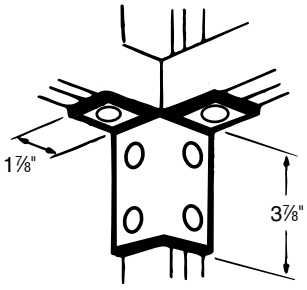
AW-204



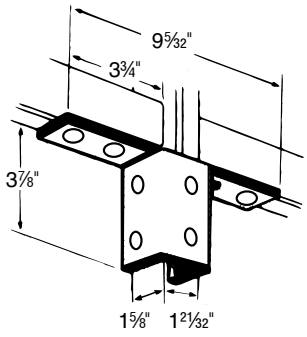
AW-205-L



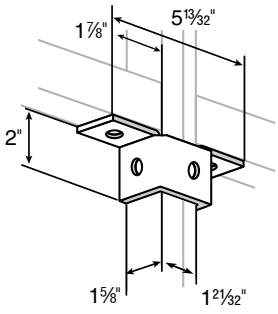
AW-205-R



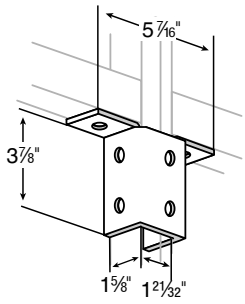
AW-214



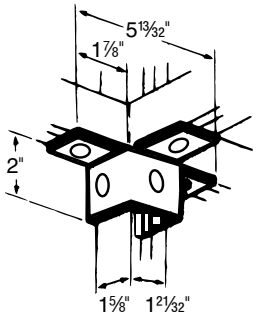
AW-219



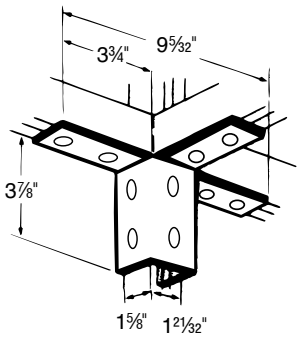
AW-220



AW-224



AW-226



AW-228

Standard Dimensions

Hole Spacing	13⁄16" From End
Hole Spacing	1⅞" Centers
Hole Size	9⁄16" Diam.
Material	1⅝" Width
Material	¼" Thick

Standard Finish – GoldGalv®, unless otherwise stated.

J

Superstrut®

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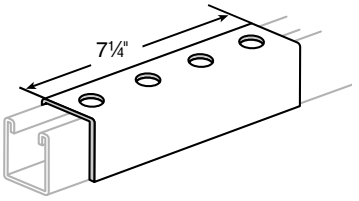
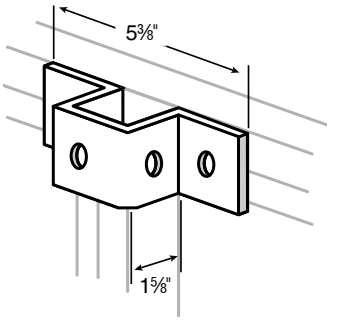
Fittings & Brackets (Series 200)

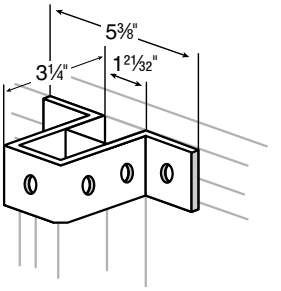
"U" Shape Fittings



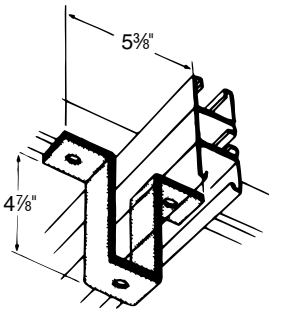
A-208
Does not include strut nut or bolts.
For "A" series channel.



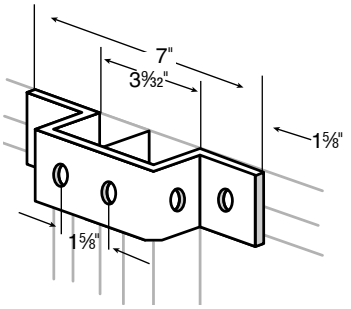
A-210
For attaching "A" series channel



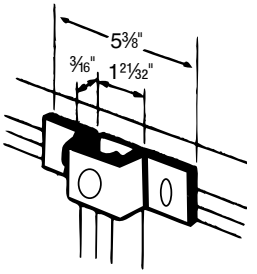
A-211
For attaching "A" series channel.



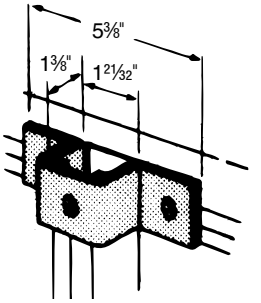
AN-211



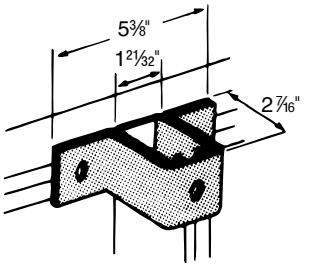
A-212



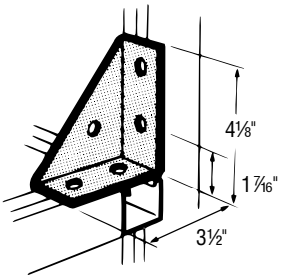
B-210



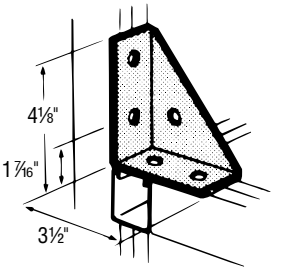
C-210
For attaching "C" series channel.



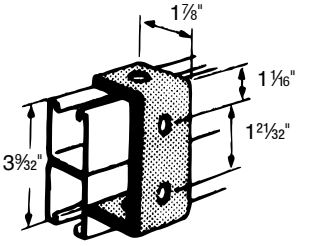
E-210
For attaching "E" series channel.



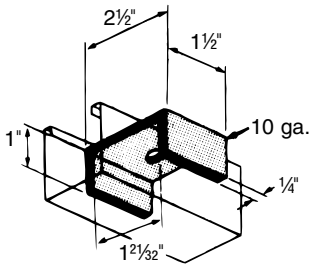
AB-213



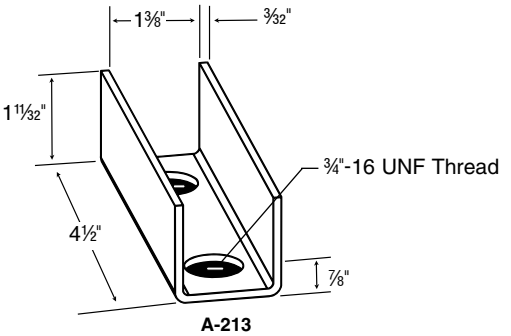
AB-214



AB-245



AB-288



A-213

Standard Dimensions

Hole Spacing	13⁄16" From End
Hole Spacing	1⅞" Centers
Hole Size	9⁄16" Diam.
Material	1⅝" Width
Material	¼" Thick

Standard Finish – GoldGalv®, unless otherwise stated.

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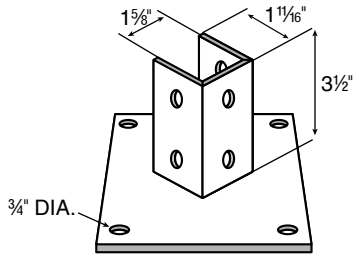
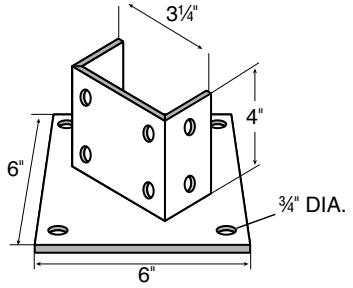
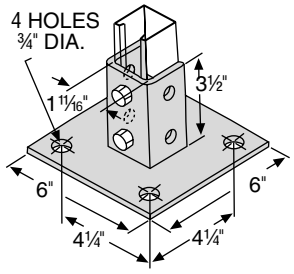
Post Bases



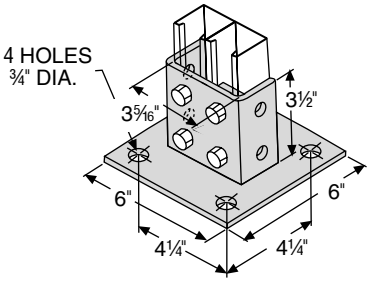
AP-232
Available GoldGalv®, HDG, EG (Silver), Stainless Steel, and White Painted.



AP-235
Available GoldGalv®, HDG, EG (Silver), Stainless Steel, and White Painted.

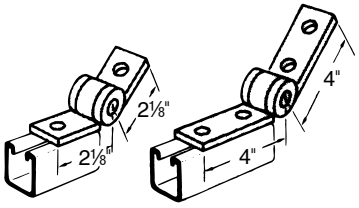


AP-232SQ
Available GoldGalv®, HDG, EG (Silver), Stainless Steel, and White Painted.

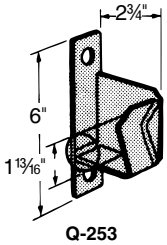


AP-235SQ
Available GoldGalv®, HDG, EG (Silver), Stainless Steel, and White Painted.

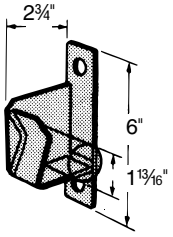
Special Application Fittings



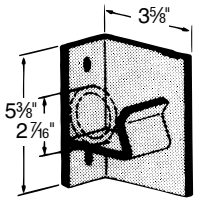
Q-202 **Q-205**



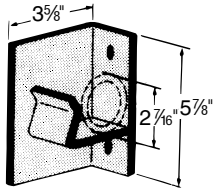
Q-253



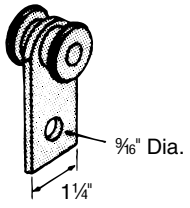
Q-254
For 1¼" standard pipe.
Load 1500 lbs.



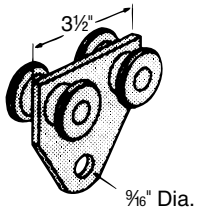
Q-255
For 2" standard pipe.
Load 1500 lbs.



Q-256
For 2" standard pipe.
Load 1500 lbs.



TR-292
Frictionless needle bearings.
Design load: 500 lbs.
Safety factor of 5.



TR-294
Frictionless needle bearings.
Design load: 1000 lbs.
Safety factor of 5.

Standard Dimensions

Hole Spacing	13⁄16" From End
Hole Spacing	1⅞" Centers
Hole Size	9⁄16" Diam.
Material	1⅝" Width
Material	¼" Thick

Standard Finish – GoldGalv®, unless otherwise stated.

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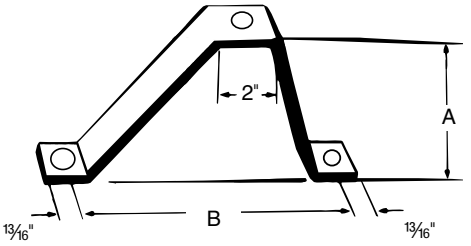
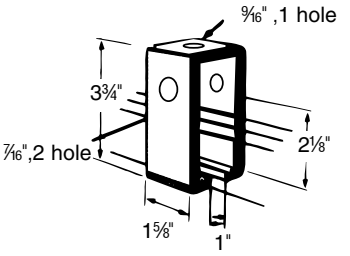
Special Application Fittings

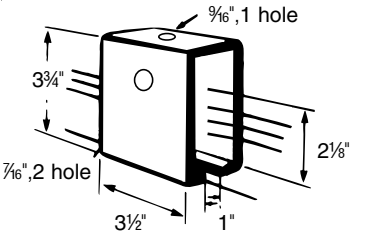


AN-270

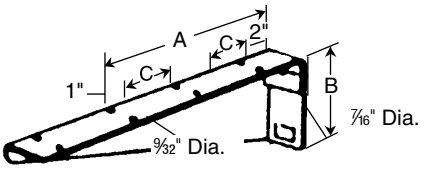
Cat No.	A	B	Std. Ctn.
AN-270-1	2⅜	6	10
AN-270-2	4⅜	8	10
AN-270-3	6⅜	10	10
AN-270-4	8⅜	12	15
AN-270-5	10⅜	14	10



TS-272
Track Support
Requires ⅜" x 2½" bolt and nut (not included).
Design load: 1000 lbs.

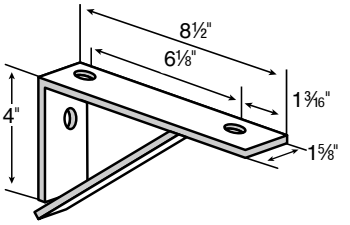


TS-273
Track Support
For uses over channel splice.
Requires ⅜" x 2½" bolt and nut (not included).
Design load: 2000 lbs.



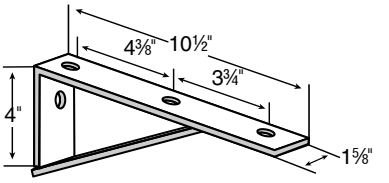
S-201-L and R
R as shown - L opposite hand.
12 ga. steel
Design Uniform Load/lbs.

A-1200	250
A-1400	200



S-204
Design Uniform Load/lbs.

A-1200	650
A-1400	500



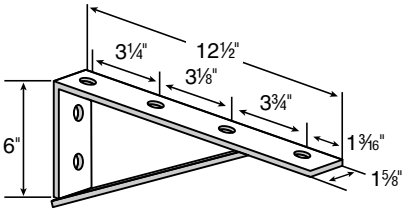
S-205
Design Uniform Load/lbs.

A-1200	650
A-1400	500

Cat. No.	A	B	C	Std Ctn.
S201-L6 or R6	6	1 15/16	3	25
S201-L8 or R8	8	2 7/16	5	25
S201-L10 or R10	10	2 15/16	7	5
S201-L12 or R12	12	3 7/16	3	5
S201-L14 or R14	14	3 15/16	4	5
S201-L16 or R16	16	4 7/16	5	15
S201-L18 or R18	18	4 15/16	6	5
S201-L20 or R20	20	5 7/16	7	10

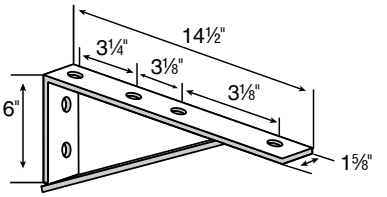
Standard Dimensions

Hole Spacing	13/16" From End
Hole Spacing	1⅞" Centers
Hole Size	9/16" Diam.
Material	1⅝" Width
Material	¼" Thick



S-217
Design Uniform Load/lbs.

A-1200	750
A-1400	650



S-218
Design Uniform Load/lbs.

A-1200	750
A-1400	650

Standard Finish – GoldGalv®, unless otherwise stated.

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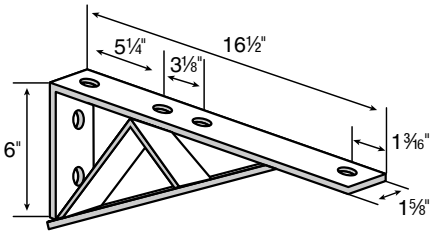
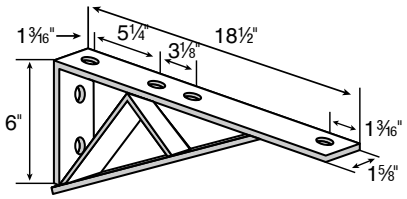
Fittings & Brackets (Series 200)

Brackets



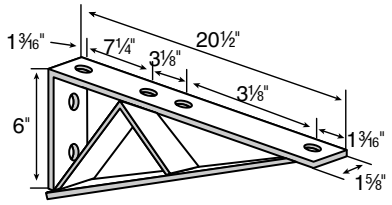
S-222
Design Uniform Load/lbs.

A-1200	1000
A-1400	750



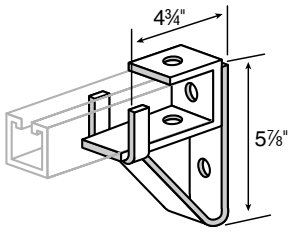
S-226
Design Uniform Load/lbs.

A-1200	1000
A-1400	750



S-236
Design Uniform Load/lbs.

A-1200	800
A-1400	650

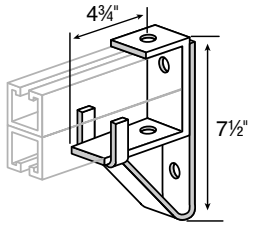


S-247
Design Moment
(channel upright as shown)
When supported By

A-1200	5250 inch lbs.
A-1400	3650 inch lbs.

Applies to fitting only, not to the arm.
For

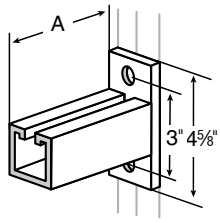
A-1200	B-1202
A-1400	B-1402



S-248
Design Moment
(channel upright as shown)
When supported By

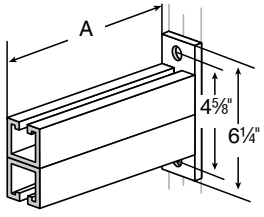
A-1200	10800 inch lbs.
A-1400	7550 inch lbs.

Applies to fitting only, not to the arm.
For
A-1200
A-1400

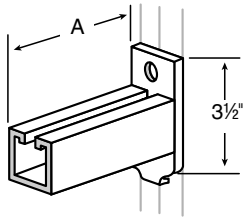


S-250
May be installed inverted with no change in load ratings. Strut section made from half slot channel
Sizes: 6", 12" 18", & 24"

Cat. No.	A	Design Load lbs.	Std. Ctn.
S-250-6	6	1500	1
S-250-12	12	800	1
S-250-18	18	550	1
S-250-24	24	400	1



S-251
Strut section made from half slot channel.
Sizes:12", 18", 24", 30", & 36"



S-256
When installed in inverted position reduce load rating 40%. Strut section made from half slot channel.
Sizes" 6", 12" 18", & 24"

Cat. No.	A	Design Load lbs.	Std. Ctn.
S-251-12	12	1650	1
S-251-18	18	1050	1
S-251-24	24	800	1
S-251-30	30	650	1
S-251-36	36	500	1

Cat. No.	A	Design Load lbs.	Std. Ctn.
S-256-6	6	1000	1
S-256-12	12	500	1
S-256-18	18	300	1
S-256-24	24	250	1

Standard Dimensions

Hole Spacing	13⁄16" From End
Hole Spacing	1⅞" Centers
Hole Size	9⁄16" Diam.
Material	1⅝" Width
Material	¼" Thick

Standard Finish – GoldGalv®, unless otherwise stated.

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Notes

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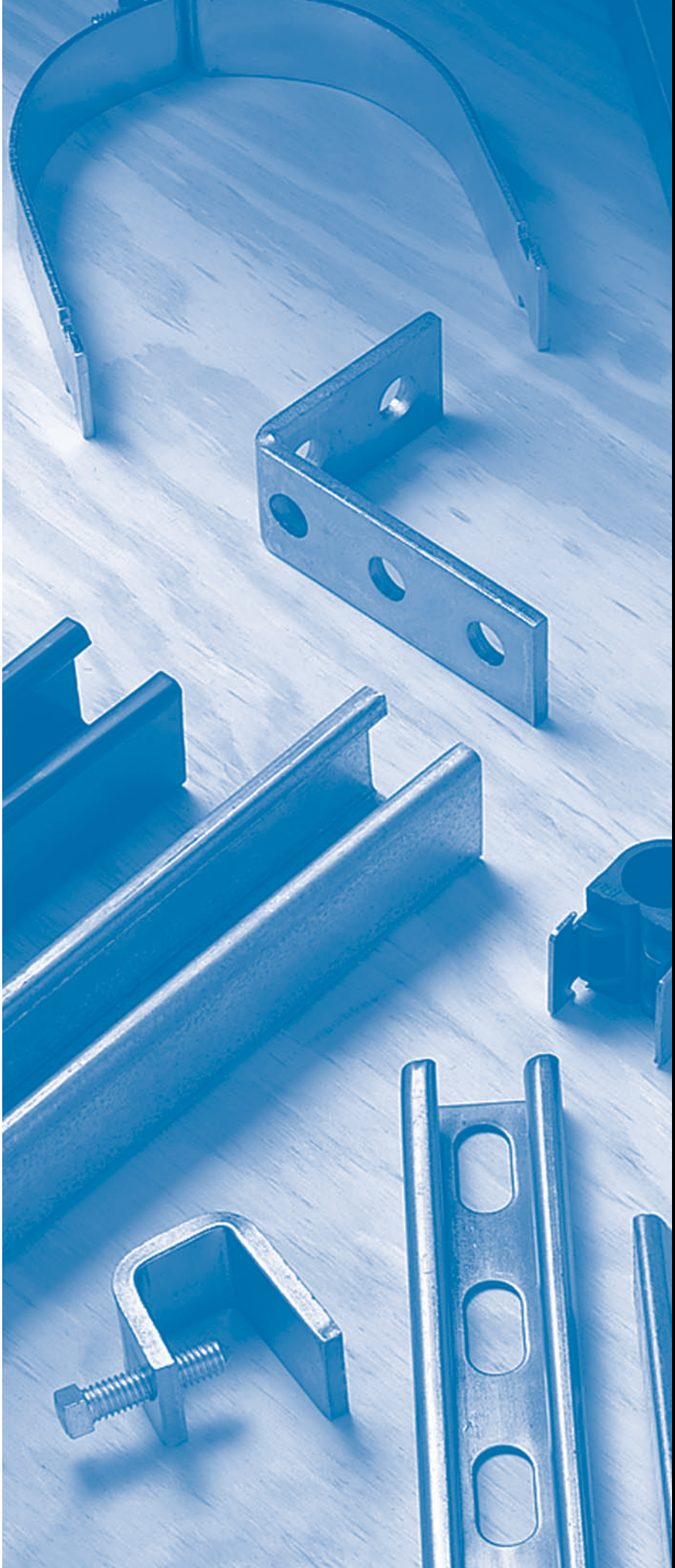


Superstrut®

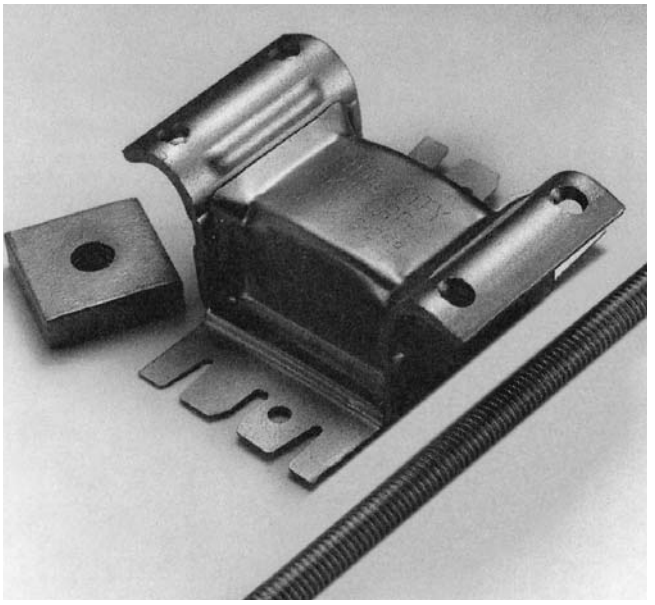
Concrete Insert
(Series 300/400) . . . . . J30 - J32

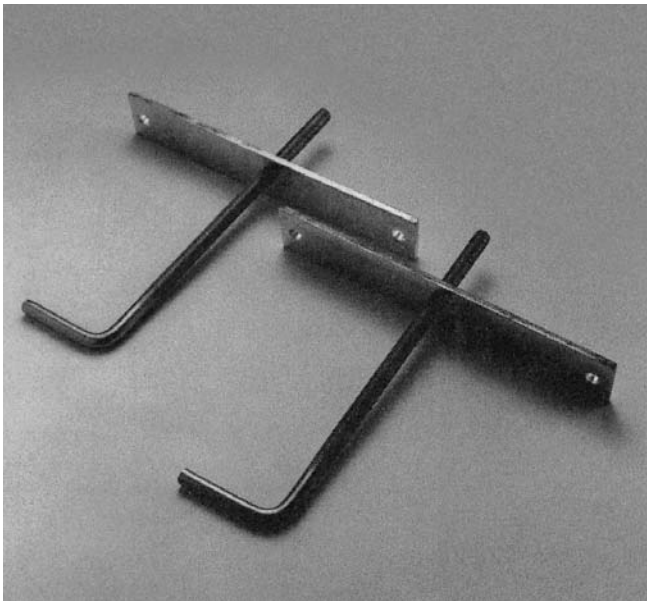
J

Thomas&Betts

Superstrut®

Concrete Insert (Series 300/400)





Material

Superstrut continuous insert channel is cold formed from 12 gauge hot rolled strip steel in two basic sizes as follows:

Cat No. B-302

1⅝" x 1¾₁₆" dim. ⅞" slot

Cat No. C-302

1⅝" x 1⅜" dim. ⅞" slot

Finishes

Product is available in GoldGalv® pre-galvanized (PG), hot dipped galvanized (HDG) and stainless steel (SS). Contact your T&B Sales team for delivery and pricing.

Standard lengths are 10 ft. and 20 ft. Product is supplied with foam filler and end caps to prevent seepage of concrete into channel.

Application

For casting into concrete walls, floors or ceilings to provide for attachment anywhere along the continuous slot.

Design Data

Load ratings as shown have a safety factor of 3 in 3000 lb. hard rock concrete. Where "good" concrete does not exist, the load ratings shall not apply.

GoldGalv® hardware finish is standard for all Superstrut products. This is a multi-process finish of electro-plated zinc, followed by gold colored zinc dichromate to give excellent corrosion resistance and a superior paint base. See page J2 for a complete description of the GoldGalv® hardware finish. GoldGalv® hardware will be furnished if no other finish is specified.

Standard Finish – GoldGalv®, unless otherwise stated.

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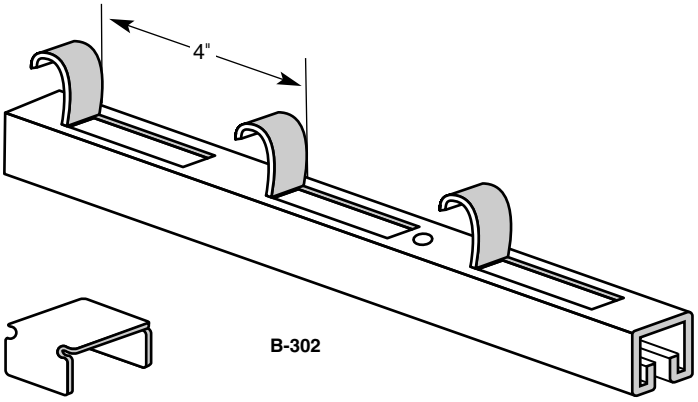
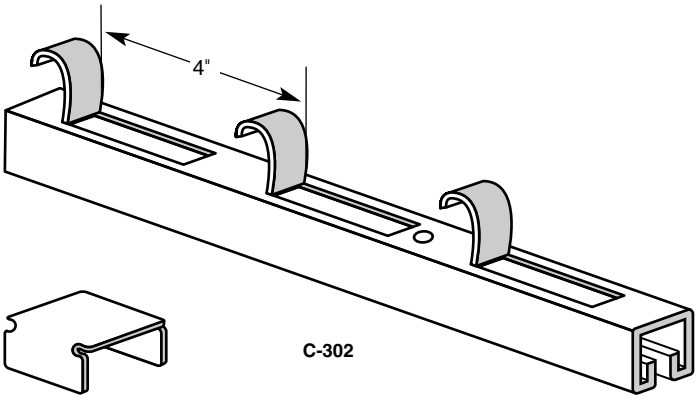
Concrete Insert (Series 300/400)



B-804

B-302



C-804

C-302

Concrete Inserts (Series 300/400)

Cat No.	Description
B-302	Insert Channel 12 ga. steel - 13⁄16" Depth
C-302	Insert Channel 12 ga. steel - 1 3⁄8" Depth
B-804	End Cap in B Series Concrete Insert
C-804	End Cap in C Series Concrete Insert

Standard lengths 10 ft. and 20 ft. Length tolerance 3⁄16 in. Assemblies available in any length from 12 in. to 20 ft. Consult factory.

Insert with end caps and foam filler strip installed.

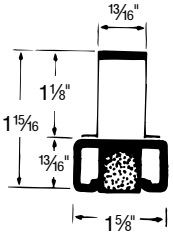
Material:

B-302 and C-302 Insert Channel-12 ga. steel.
B-804 and C-804 End caps-12 ga.steel.

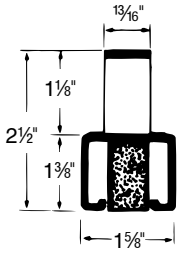
Design Load lbs.

2000 lbs. per foot in 3000 lbs. hard rock concrete with a safety factor of 2.

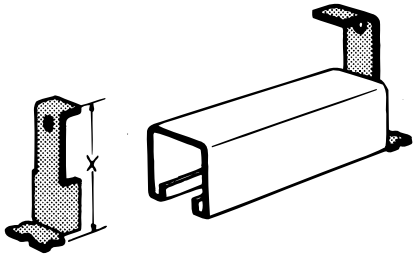
Note: B-302 and C-302 are furnished with:
A. Concrete safe tape applied to interior of channel to cover holes.
B. Styrene insert between tape and 7⁄8" continuous opening.
C Two end caps on either side of strut to prevent concrete seepage.



B-302



C-302



450

450 – End Cap

Cat. No.	For Channel	"X"	Material	Std. Ctn.
B-450	B-1200	2 3⁄8	12 ga.	100
C-450	C-1200	3	12 ga.	100

Do not come in pairs, order number of total pieces required.
Inserts may be assembled from short pieces of channel by use of end caps.
Order closure strip separately.

Standard Finish – GoldGalv®, unless otherwise stated.

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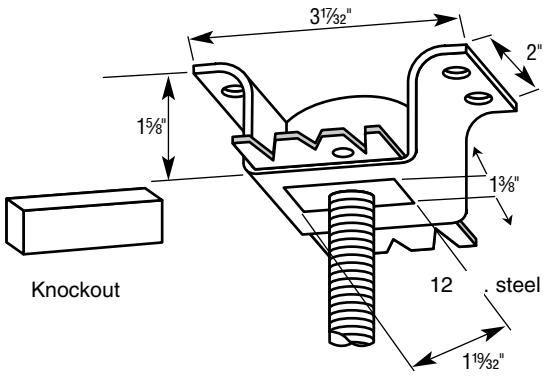


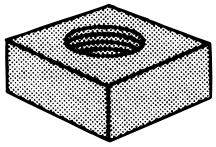
452TB

452TB – Spot Insert – Top is Deep Drawn Cup

An insert with a knockout saves covering the opening. Accommodates hanger rod sizes from ¼" through ⅞" by means of an AB-102 insert nut.

Design load: 1350 lbs. in 3000 lb. hard rock concrete with a safety factor of 3.

Order AB-102 nut separately.

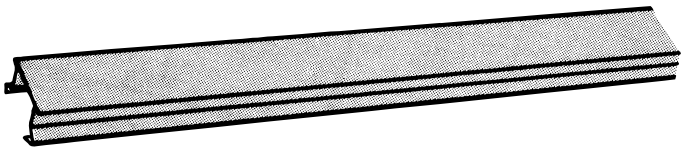


AB-102

AB-102 – Unhardened Square Nut

Cat. No.	Size	Std. Ctn.
AB-102-1/4	¼	50
AB-102-3/8	⅜	100
AB-102-1/2	½	100
AB-102-5/8	⅝	50
AB-1002-3/4	¾	50
AB-102-7/8	⅞	50

For use with Spot Insert Cat. No. 452.



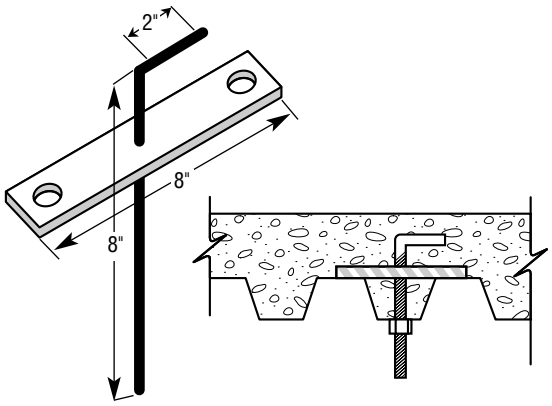
460-10

460-10 – Removable Plastic Closure Strip

Designed as an added precaution to keep insert free of concrete. Closure strip fits all 1⅝" wide strip inserts, regardless of depth.

10' - Lengths

Material - Plastic



C-475 – Depth Adjustment in Field

Cat. No.	Size	Design Load lbs.	Std. Ctn.
C-475	⅜	75	25
C-475	½	97	25
C-475	⅝	111	25
C-475	¾	142	25
C-475	⅞	172	25

Standard Finish – GoldGalv®, unless otherwise stated.

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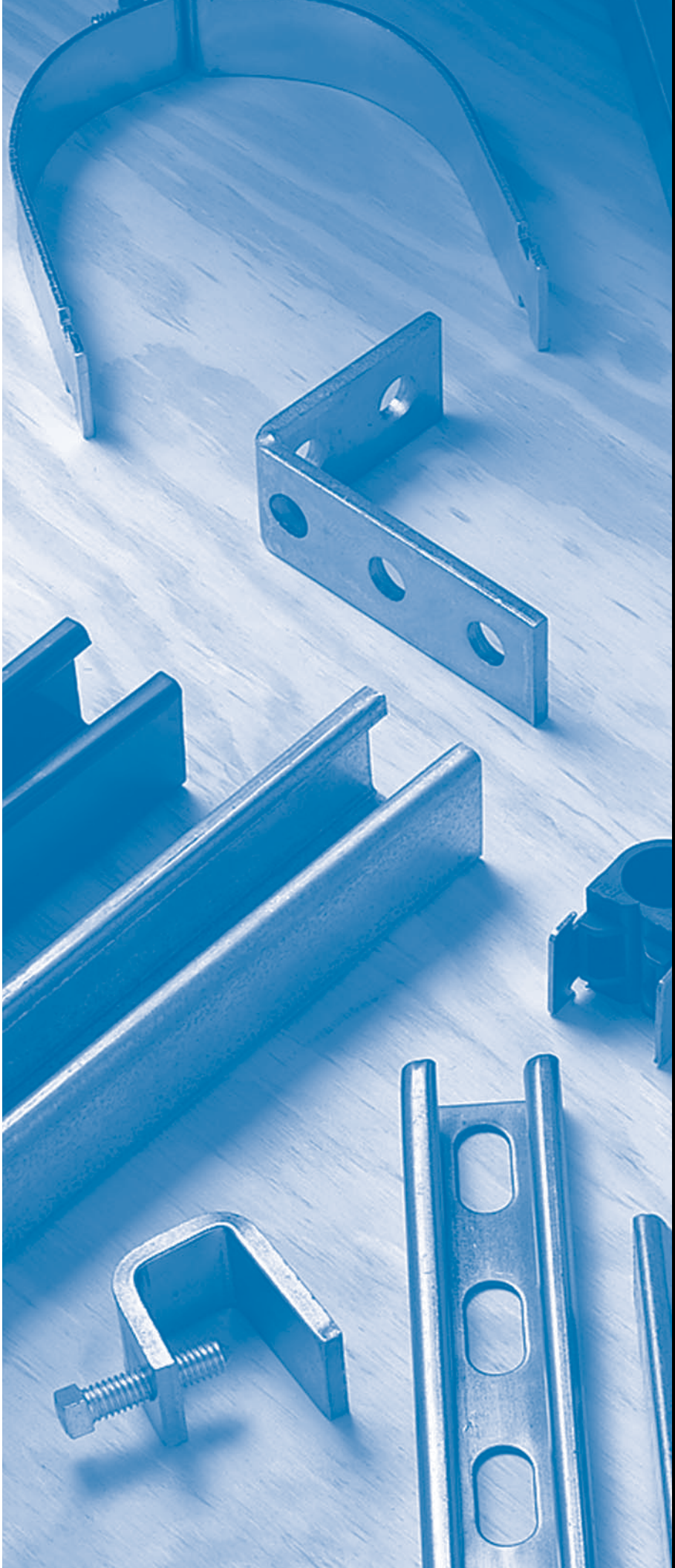

Superstrut®

Beam Clamps
(Series 500/700) . . . . . J34 -J42

J

Thomas&Betts

Beam Clamps (Series 500/700)

Materials

Most products are manufactured from hot rolled carbon steel bars or hot rolled strip steel. Pipe rollers are cast iron. Products which are copper placed carry the letter "T" in the prefix.

Design Loads

Where design loads are indicated, they provide for a safety factor of 3 in conformance with the "AMERICAN STANDARD CODE FOR PRESSURE PIPING."

GoldGalv® hardware finish is standard for all Superstrut products. This is a multi-process finish of electro-plated zinc, followed by gold colored zinc dichromate to give excellent corrosion resistance and a superior paint base. See page J2 for a complete description of the GoldGalv® hardware finish. GoldGalv® hardware will be furnished if no other finish is specified.

Standard Finish – GoldGalv®, unless otherwise stated.

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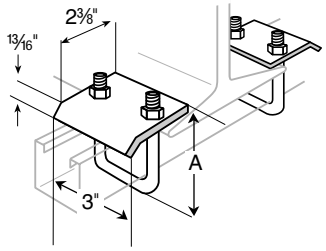
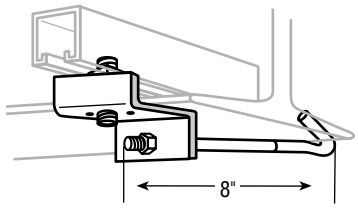
Beam Clamps (Series 500/700)

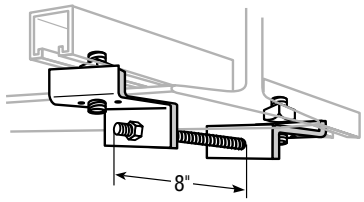
Beam Clamps for Mounting Channel



U-501, U-502
Furnished complete
Design load U-501 - 2150 lbs.
U-502 - 3000 lbs.

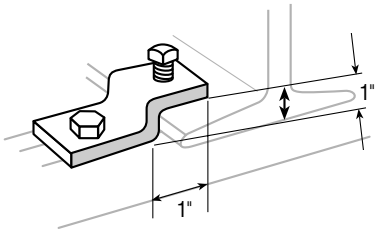


U-504



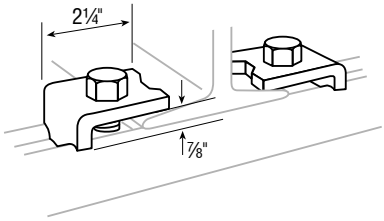
U-505

Cat. No.	For Channel	A	Std. Ctn.
U-501	A-1200 A-1400	3⅜16	20
	B-1200 B-1400		
	C-1200 B-1402		
U-502	A-1202 A-1402	4⅜16	20
	C-1202 H-1200		



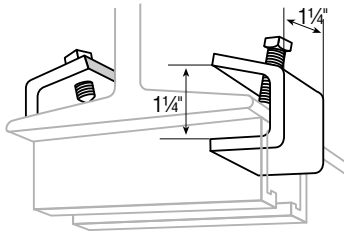
U-510
½" x 1½" set screw included.
Order separately one ½" x 1½" hex head cap screw and ½" channel nut.

Channel	Design Load lbs.
A-1200	1000
A-1400	800

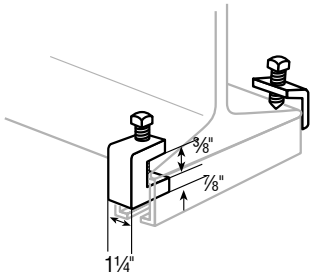


U-512
Order separately one ½" x 1½" hex head cap screw and ½" channel nut.

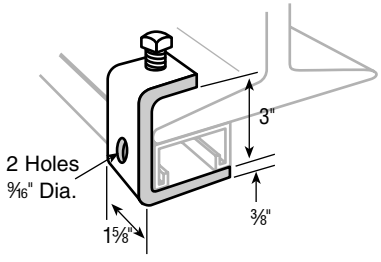
Channel	Design Load lbs.
A-1200	1000
A-1400	800



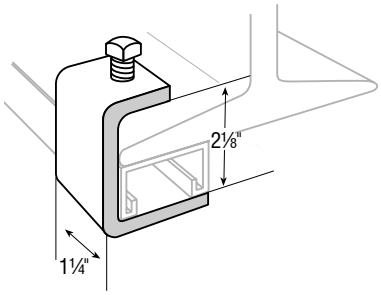
U-514
⅜" x 1½" set screw included.
Design load 750 lbs./per pair.



U-514-A
½" x 1½" set screw included.
Design load 1650 lbs./per pair.



U-515
For all "A" series channel.
½" x 1½" set screw included.
Design load 800 lbs.



U-515-B
For all "B" series channel.
½" x 1½" set screw included.
Design load 800 lbs.

Standard Finish – GoldGalv®, unless otherwise stated.

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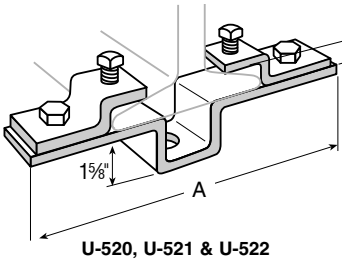
Beam Clamps (Series 500/700)

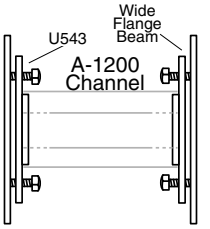
Beam Clamps for Mounting Channel



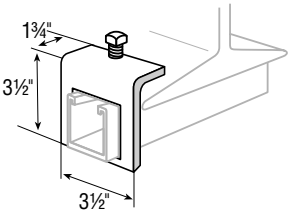
U-520, U-521 & U-522
Standard Finish - GoldGalv® brand
Nuts, cap screws and set screws included.

Cat. No.	Flange Width	A	Design Load lbs.	Std. Ctn.
U-520	2⅜ - 4½	8¾	2000	10
U-521	3¾ - 5¾	10	1300	10
U-522	5⅝ - 7⅝	11⅞	900	10

When ordering specify flange width.

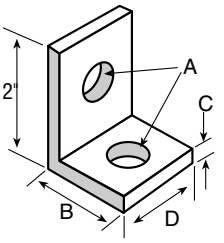


U-543
Adjusting Screw End Caps
Standard Finish - GoldGalv® brand
Catalog number indicates one end cap.
Should be ordered in multiples of two (2)



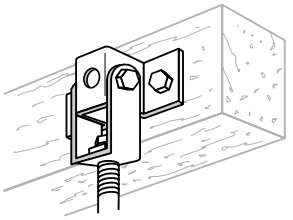
A-597
Standard Finish - GoldGalv® brand
Channel Series A
Design load lbs./ea. - 800

Beam Clamps for Hanging Rod

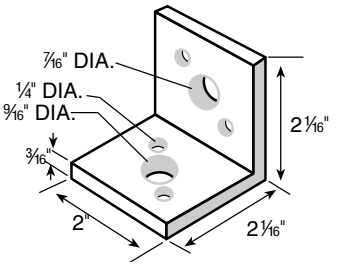


540
Side Beam Hanger Clip
Finishes - GoldGalv® brand or Black (B)

Cat. No.	A	B	C	D	Std. Ctn.
540-3/8	7/16	1⅞	¼	⅞	25
540-1/2EC	9/16	1⅞	¼	1⅝	25
540-5/8	11/16	2½	⅜	2	25
540-3/4	13/16	2½	⅜	2	25

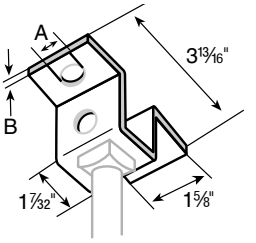


U-577
Clevis & Swing Connector
Rod Size ½"
Standard Finish - GoldGalv® brand
For use with wood beam.



542
Side Beam Hanger Clip
Finishes - GoldGalv® brand or Black (B)
Rod Sizes: ⅜" - ½"
For ⅜" and ½" rods.

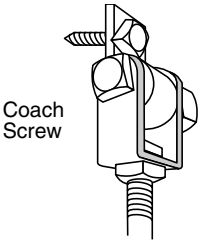
Rod Size	Design Load lbs.
⅜"	610
½"	1000



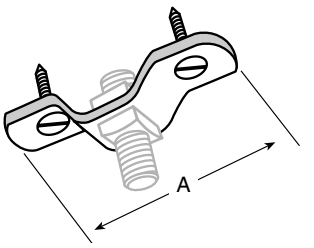
U-576
Hanger Clevis
Finishes - GoldGalv® brand

Cat. No.	Hole A	Material Thickness B	Std. Ctn.
U-576-3/8	7/16	3/16	25
U-576-1/2	9/16	3/16	25

Rod up to ½"
Mounting holes 7/16" diameter.
For use with wood beam.



S-541
Swing Connector
Standard Finish - GoldGalv® brand
Rod Sizes: ⅜"
For use with wood beam.
⅜" x 1¾" bolt, nut and clevis included.



U-579
Ceiling Flange
Finishes - GoldGalv® brand
Malleable Iron

Cat. No.	A	Std. Ctn.
U-579-3/8	3½	25
U-579-1/2	4¼	25

Nuts and wood screws not included.
Mounting holes 13/32".

Standard Finish – GoldGalv®, unless otherwise stated.

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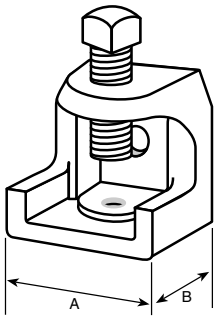
Beam Clamps for Hanging Rod

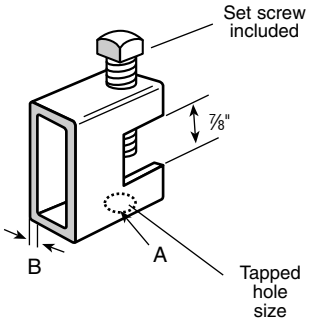


500SS316, 502SS316 and 503SS316 in 316 Stainless steel, also available.

Beam Clamps–Malleable Iron, Silver Electroplated Finish

Cat. No.	Base Size Inches A	Base Size Inches B	Jaw Opening Inches	Tapping of Base and Back Holes	Load Rating‡	Std. Ctn.
510	27/32	1⅛	⅝	¼-20	400	100
511-SC	27/32	1⅛	⅝	10-24	400	100
500-SC	1	1¼	15/16	¼-20	450	50
509	1	1¼	15/16	10-24	375	100
501	1½	1⅝	⅞	5/16-18	800	50
502	2	2	1	⅜-16	1300	50
503-SC	2⅝	2½	1	½-13	1300	20
507	2½	2⅜	1⅜	½-13	1700	20
508	2½	2⅜	2⅛	½-13	1700	10

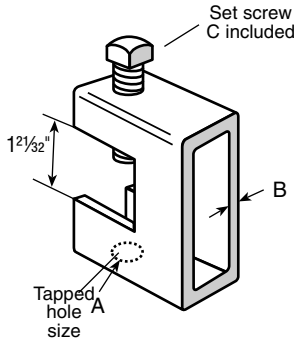
‡Safety Factor of 3.
Loan Ratings based on bottom hole of Beam Clamp.
CSA File No. LR-52208



U-560 – Heavy Duty Beam Clamp

Cat. No.	A	B	C	Design Load lbs.	Std. Ctn.
U-560-1/4	¼	⅛	⅜ x 1½	1050	25
U-560-3/8	⅜	⅛	⅜ x 1½	1050	25
U-560-1/2	½	¼	½ x 1½	2650	25
U-560-5/8	⅝	¼	½ x 1½	2650	25

Standard Finish -GoldGalv brand



U-564 Heavy Duty Beam Clamp

Cat. No.	A	B	C	Design Load lbs.	Std. Ctn.
U-564-3/8	⅜	¼	⅜ x 2¾	1300	25
U-564-1/2	½	¼	½ x 2¾	3150	15
U-564-5/8	⅝	¼	½ x 2¾	3150	25

• Channel Angle Connector. Standard Finish - GoldGalv®. Integral pilot, prevents twist.

Standard Finish – GoldGalv®, unless otherwise stated.

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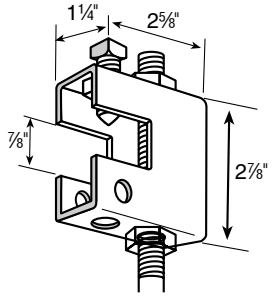
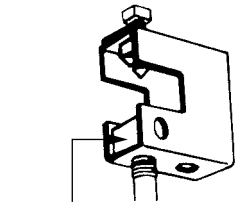
Beam Clamps (Series 500/700)

Beam Clamps for Hanging Rod

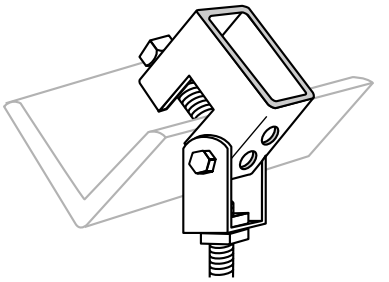


U-562
Beam Clamp
½" set screw included.
Rod Size: ½"
Design load lbs. - 500

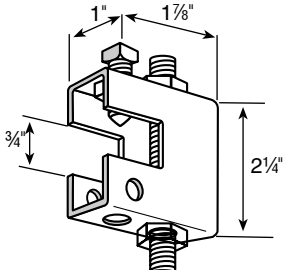


Square nut, order separately.

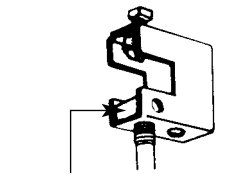
U-562
Beam Clamp Optional Use
½" set screw included.
Rod sizes: ½"
Design load lbs. - 800
For 20° swivel application use ES-145-1/2 nut.



US-562
Beam Clamp with Swing Hanger
½" screw included.
Rod sizes: ½".
Design load lbs. - 800

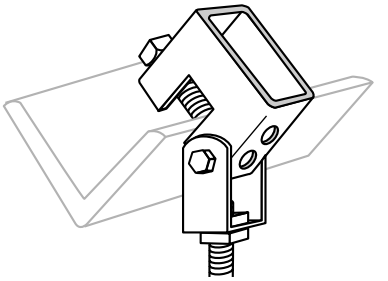


U-563
Beam Clamp
⅜" set screw included.
Rod sizes: ⅜"
Design load lbs. - 250

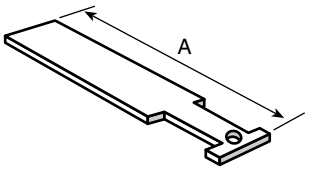


Square nut, order separately.

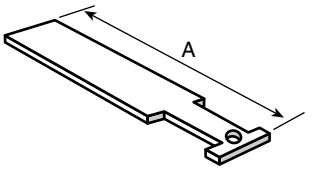
U-563
Beam Clamp Optional Use
⅜" set screw included.
Rod sizes: ⅜"
Design load lbs. - 400



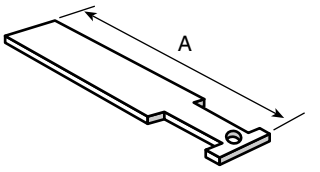
US-563
Beam Clamp with Swing Hanger.
⅜" set screw included.
Rod sizes: ⅜".
Design load lbs. - 540



U-568
Beam Clamp Safety Strap
Standard Finish - GoldGalv® brand
For U-563 beam clamp.



U-568
Beam Clamp Safety Strap
Standard Finish - GoldGalv® brand
For U-562 beam clamp.



U-568
Beam Clamp Safety Strap
Standard Finish - GoldGalv® brand
For U-560 and U-564 beam clamp.

Cat. No.	Beam Flange Width	A	Std. Ctn.
U-568-1	6	8	50
U-568-2	9	11	50

16 ga. material.

Cat. No.	Beam Flange Width	A	Std. Ctn.
U-568-3	6	9	25
U-568-4	9	12	50
U-568-5	12	15	50

16 ga. material.

Cat. No.	Beam Flange Width	A	Std. Ctn.
U-568-6	6	9	25
U-568-7	9	12	25
U-568-8	12	15	25

16 ga. material.

Standard Finish – GoldGalv®, unless otherwise stated.

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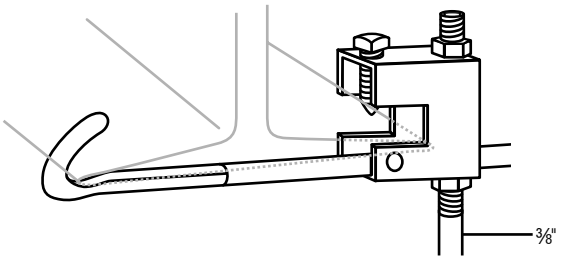
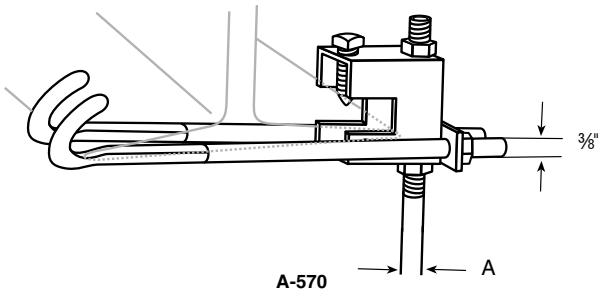
Beam Clamps (Series 500/700)

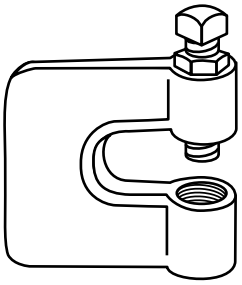
Beam Clamps for Hanging Rod



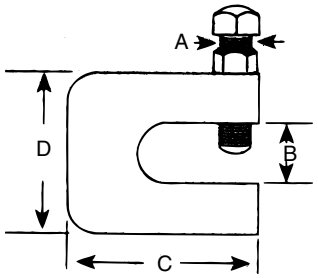
U-569
Beam Clamp
Standard Finish- GoldGalv®
Maximum flange width 5"
Design load 400 lbs.



A-570
Beam Clamp with Safety Rod
Standard Finish- GoldGalv®
Flange width 4" min. -8" max.
Sizes:½" For use with ⅜" rod see U-569.
Design load 650°F – 500 lbs.



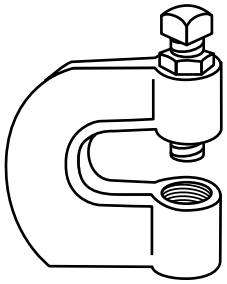
C-775L



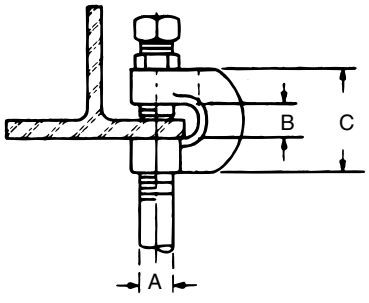
C-775L Clamp with Lock Nut

Cat. No.	Rod Size	A	B	C	D	Design Load lbs.	Std. Ctn.
C-775L-3/8	⅜	⅜	¾	2⅜	2⅜	400	100
C-775L-1/2	½	⅜	¾	2⅜	2⅜	500	100
C-775L-5/8	⅝	½	¾	2 5⁄16	2⅜	550	50
C-775L-3/4	¾	⅝	¾	2 5⁄16	2⅜	630	50
C-775L-7/8	⅞	¾	1	3 5⁄16	3	1200	25

Standard Finishes - GoldGalv® brand, Black (B), Stainless Steel (SS).
Carbon Steel.



M-775L



M-775L Clamp with Lock Nut

Cat. No.	Rod Size A	B	C	Design Load lbs.	Std. Ctn.
M-775L-3/8	⅜	¾	1¾	400	100
M-775L-1/2	½	¾	1¾	400	100
M-775L-5/8	⅝	¾	2	440	50
M-775L-3/4	¾	¾	2	500	50

Standard Finishes - GoldGalv® brand or Black (B) Malleable Iron.

Standard Finish – GoldGalv®, unless otherwise stated.

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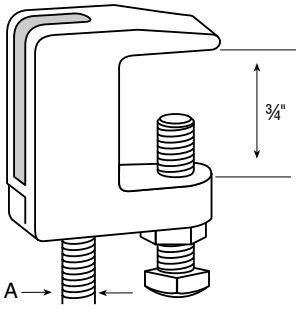
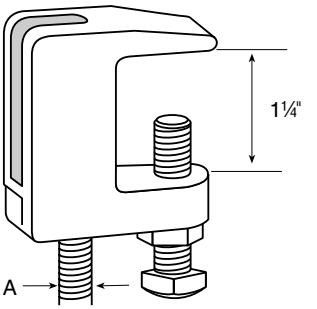
Beam Clamps (Series 500/700)

Beam Clamps for Hanging Rod



M-777
Junior Top Beam C-Clamp
Standard Finishes - GoldGalv® brand or Black (B) Malleable Iron.
Provides clamping under roof installations with bar joist construction. Max. joist thickness ⅝". Order by Cat No., Rod Size.

Rod Size A	Design Load lbs.
⅜	350
½	470
⅝	550
¾	700
⅞	1000

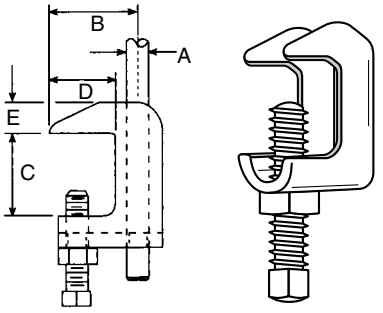


M-778
Top Beam C-Clamp
Rod Size: ⅜, ½, ⅝, & ¾
Standard Finishes - GoldGalv® brand or Black (B) Malleable Iron.
Provides clamping under roof installations with bar joist type construction.
Order by Cat No. and Rod Size.

Rod Size A	Design Load lbs.
⅜	400
½	500
⅝	850
¾	900

J

Superstrut®



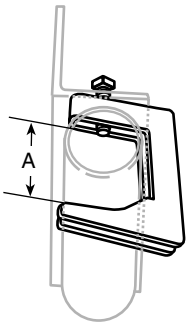
C-777, C-788

C-777, Steel Top Beam Clamp & C-778 Steel Wide JawTop Beam Clamp

Cat. No.	Rod Size A	Pipe Size	B	C	D	E	F	Design Load lbs.	Std. Ctn.
C-777-3/8	⅜	½ - 4	1 3/16	¾	1½	7/16	1	900	100
C-777-1/2	½	5 - 8	1½	¾	1	9/16	1¼	2430	50
C-778-3/8	⅜	½ - 4	1 3/16	1¼	1	7/16	1	900	100
C-778-1/2	½	5 - 8	1½	1¼	1	9/16	1¼	2430	50

Standard Finish - Black (B) or GoldGalv® brand.

Beam Clamps for Mounting Pipe and Conduit



U-571, U-572

U-571, U-572 Conduit Clamp

Cat. No.	Conduit Size	Max. Flange Thickness	Dim A	Std. Ctn.
U-571	½	1	1¾	25
U-571	¾	¾	1¾	25
U-571	1	½	1¾	25
U-572	¾	1½	2½	25
U-572	1	1¼	2½	25
U-572	1¼	1	2½	25
U-572	1½	⅝	2½	25

Standard Finish - GoldGalv® brand.
For attaching ½" thru 1½" conduit to beam, channel, angle or column. Secures conduit to the support parallel or at right angles to it.
5/16" set screw, 12 ga. material.

Standard Finish – GoldGalv®, unless otherwise stated.

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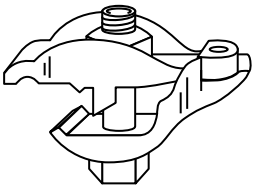
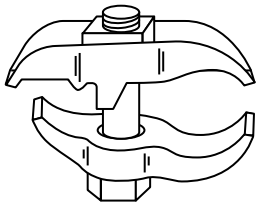
Beam Clamps for Mounting Pipe and Conduit

- *RC Clamp - Malleable Iron.*
- *RCS Clamp - Steel.*
- *For mounting pipe or conduit at right angles to the beam.*
- *Use SS316 suffix for 316 Stainless Steel.*
- *Use HDG suffix for Hot Dip Galvanized.*



- *EC Clamp - Malleable Iron.*
- *For mounting pipe or conduit vertically across the beam.*
- *Use SS316 suffix for 316 Stainless Steel.*
- *Use HDG suffix for Hot Dip Galvanized.*



- *PC Clamp - Malleable Iron.*
- *For mounting pipe or conduit parallel to the beam.*
- *Use SS316 suffix for 316 Stainless Steel.*
- *Use HDG suffix for Hot Dip Galvanized.*

Pipe Supports

Three types of pipe clamps are available to provide right angle, vertical and parallel attachment to a beam. Types RC, EC and PC are malleable iron clamps with an edge that grips the structural member for maximum holding power when tightened.

Type RCS clamps are all steel, providing two bearing surfaces for strong attachment for mounting pipe or conduit at right angles to the beam.

All parts are electrogalvanized, including the threads. The clamps are designed for clamping to a wide variety of beam thicknesses and tapers. Can be installed using only a wrench.

Pipe Supports

Cat. No. & Size	Dimensions in Inches: O.D. of Conduit or Pipe	Dimensions in Inches: Nom. Conduit or Pipe Size	Std. Ctn.
RCS-1/2	.840	½	50
RCS-3/4	1.050	¾	50
RCS-1	1.315	1	50
RCS-1-1/4	1.660	1¼	50
RCS-1-1/2	1.900	1½	50
RCS-2	2.375	2	50
RC-3/8	.675	⅜	50
RC-1/2	.840	½	50
RC-3/4	1.050	¾	50
RC-1	1.315	1	50
RC-1-1/4	1.660	1¼	50
RC-1-1/2	1.900	1½	50
RC-2-SC	2.375	2	50
RC-2-1/2	2.875	2½	25
RC-3	3.500	3	25
RC-3-1/2	4.000	3½	25
RC-4-SC	4.500	4	20
EC-1/2	.840	½	50
EC-3/4	1.050	¾	50
EC-1	1.315	1	25
EC-1-1/4	1.660	1¼	25
EC-1-1/2	1.900	1½	25
EC-2	2.375	2	25
EC-2-1/2	2.875	2½	10
EC-3	3.500	3	10
PC-3/8	.675	⅜	50
PC-1/2	.840	½	50
PC-3/4	1.050	¾	50
PC-1	1.315	1	50
PC-1-1/4	1.660	1¼	25
PC-1-1/2	1.900	1½	25
PC-2	2.375	2	25
PC-2-1/2	2.875	2½	25
PC-3	3.500	3	10
PC-3-1/2	4.00	3½	10
PC-4	4.500	4	10

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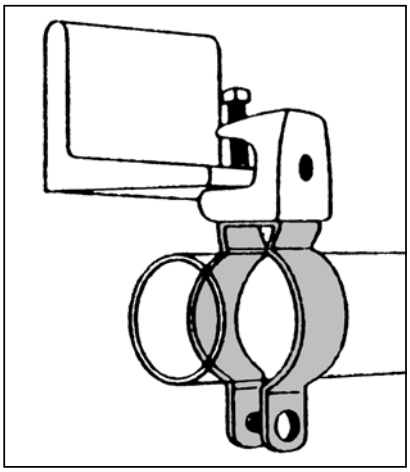
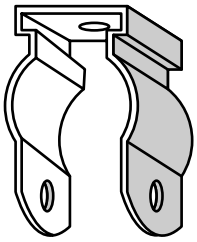
Conduit and Pipe Hangers



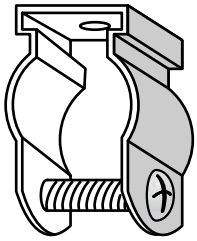
Features

- ***Accommodates ½" through 4" EMT or rigid conduit.***
- ***Can be used for either vertical or horizontal installation.***
- ***6HTB Series have a built-in nut so there are less parts to handle or drop.***
- ***Installs easily with a screwdriver.***



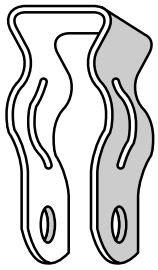
6H Series
without bolt

Fig. 1



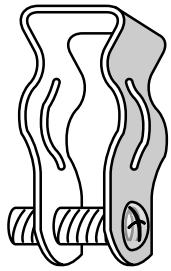
6H--B Series
with bolt and hex nut

Fig. 2



6H- T Threaded Series
threaded without bolt

Fig. 3



6H- TB Threaded Series
threaded with bolt

Fig. 4

6H Series Conduit and Pipe Hanger

Without Bolt		With Bolt				
Cat. No.	Fig. No.	Cat. No.	Fig. No.	EMT	Rigid Conduit or Pipe	Qty. per Box
6H0	1	**6H0-B**	2	½"	⅜"-½"	100
6H0-T	3	**6H0-TB**	4	½"	⅜"-½"	100
6H1	1	**6H1-B**	2	¾"	¾"	100
6H1-T	3	**6H1-TB**	4	¾"	¾"	100
6H2	1	**6H2-B**	2	1"	1"	100
		6H2-TB	4	1"	1"	100
6H2 1/2	1	**6H2 1/2-B**	2	1¼"	–	100
		6H2 1/2-TB	4	1¼"	–	100
6H3-SC	1	**6H3-B**	2	1½"	1¼"	100
		6H3-TB	4	1½"	1¼"	100
6H4	1	**6H4-B**	2	–	1½"	100
		6H4-TB	4	–	1½"	100
6H5	1	**6H5-B**	2	2"	2"	100
		6H5-TB	4	2"	2"	100
6H6	1	**6H6-B**	2	2½"	2½"	100
6H7	1	**6H7-B**	2	3"	3"	100
6H8	1	**6H8-B**	2	3½"	3½"	100
6H9	1	**6H9-B**	2	4"	4"	100

Standard Finish - Electro-Galvanized (EG).
Use SS suffix for Stainless Steel.
Loading rating 500 lbs. with a safety factor of 3.

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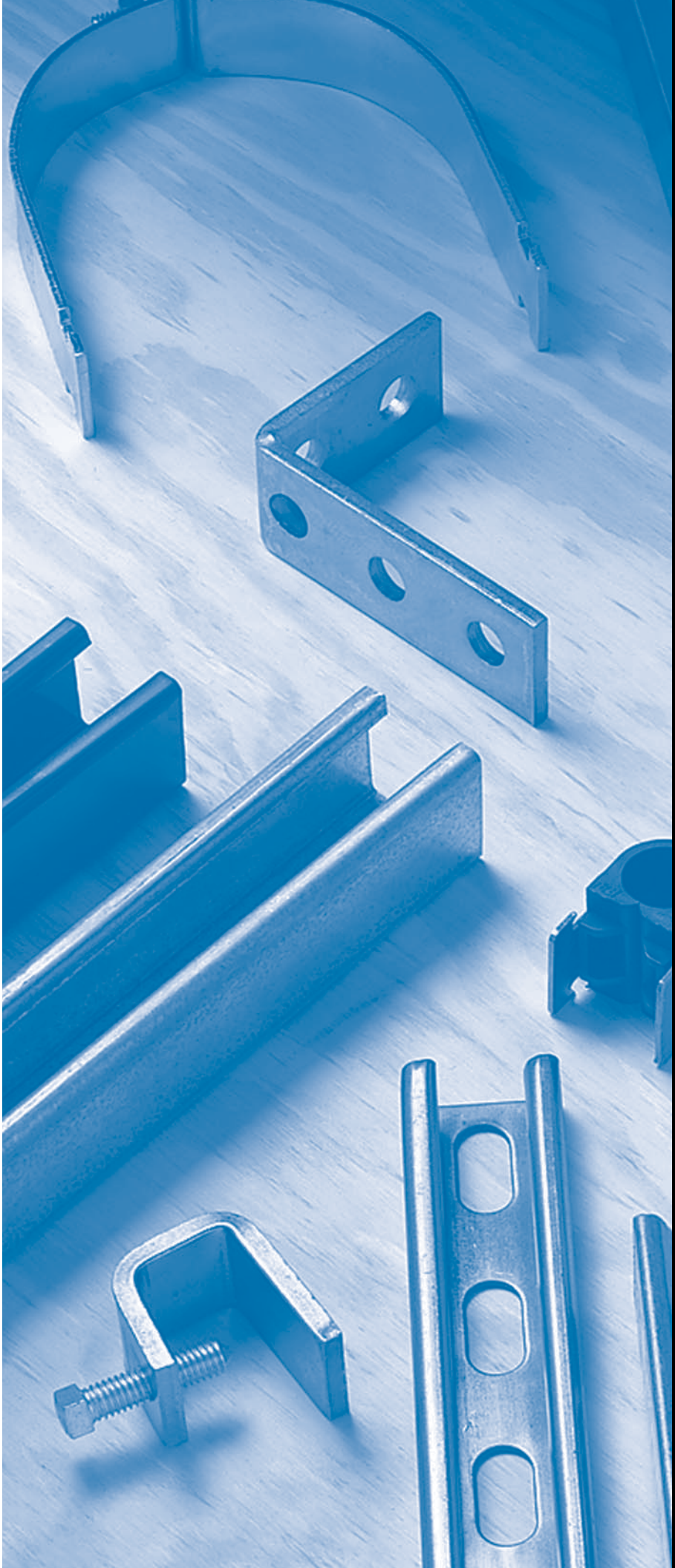


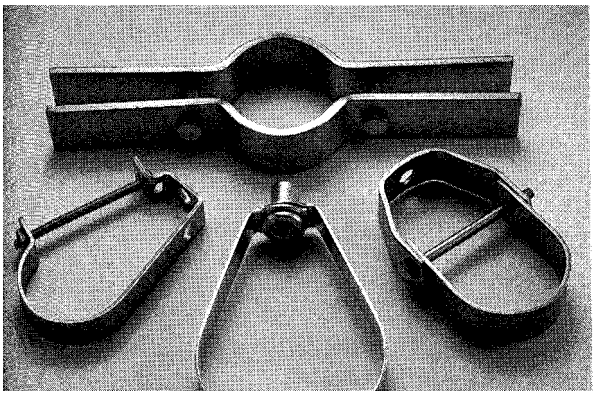
Superstrut®

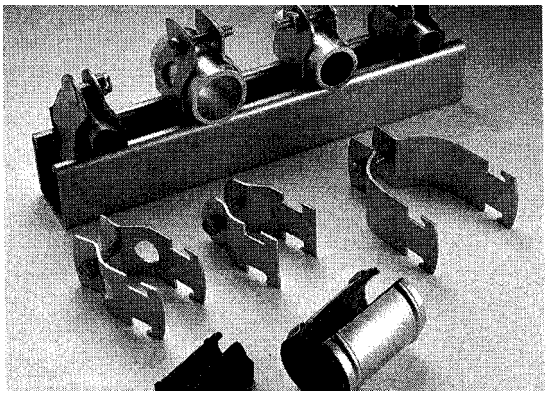
Pipe Straps, Pipe Clamps and
Hangers (Series 700/105) J44-J96

J

Thomas&Betts

Pipe Straps, Pipe Clamps & Hangers (Series 700/105)





Materials

Most products are manufactured from hot rolled carbon steel bars or hot rolled strip steel. Pie rollers are cast iron. Products which are copper plated carry the letter "T" in the prefix.

Design Loads

Where design loads are indicated, they provide for a safety factor of 3 in conformance with the "AMERICAN STANDARD CODE FOR PRESSURE PIPING."

Hanger Design

Pipe hangers are of advanced design and afford a new and better way of ordinary use.

Standard Dimensions

The following, except where noted, apply to all beam clamp fittings.

Hole Size	9⁄16" diameter
Material	1 5⁄8" wide
Material	1⁄4" thick

GoldGalv® hardware finish is standard for all Superstrut products. This is a multi-process finish of electro-plated zinc, followed by gold colorized zinc dichromate to give excellent corrosion resistance and a superior paint base. See page J2 for a complete description of the GoldGalv® hardware finish. GoldGalv® hardware will be furnished if no other finish is specified.

GoldGalv® Outperforms Copper Plated

In a test conforming to ASTM G-87-84, also known as the Kesternich Test, Superstrut's GoldGalv® electrogalvanized zinc dichromate finish achieved superior corrosion resistance in comparison to copper plated.

Performed and certified by an independent testing laboratory, the stringent Kesternich test is equivalent to an acid rain environment. The test procedure exposes subject material to condensed moisture containing harsh sulfur dioxide (SO_2) which accelerates the aging process. During the series of test time cycles, the material is thoroughly inspected for signs and progression of damaging red rust.

The first test series conducted included various light-duty adjustable clevis hangers assembled to copper tubing. The GoldGalv® finish exhibited five times the red rust resistance as compared to copper plated.

The second test series was performed on various O.D. pipe straps attached to copper tubing and continuous slot channel. GoldGalv® achieved greater red dust resistance by seven times over copper plating.

Once tests were completed, all copper tubes were split open and inspected for signs of electrolysis. The copper tubes showed minimal deterioration as a result of the test and no indication of electrolysis occurrence when attached to material with GoldGalv® finish.

ASTM G-87-84 Corrosion Test Results

Test Series I: Light-Duty Adjustable Clevis Hanger

Finish	Initial Red Rust	50% Red Rust	100% Red Rust
GoldGalv	120 Hours	216 Hours	*Never obtained
Copper Plated	24 Hours	48 Hours	72 Hours

Test Series II: O.D. Pipe Straps

Finish	Initial Red Rust	50% Red Rust	100% Red Rust
GoldGalv	168 Hours	192 Hours	240 Hours
Copper Plated	24 Hours	48 Hours	168 Hours

*Test series ended after 360 hours.

Standard Finish – GoldGalv®, unless otherwise stated.

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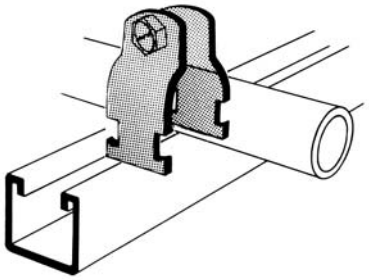
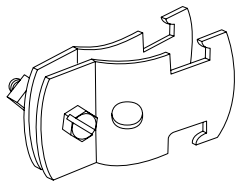
Superstrut Pipe Straps

Superstrut Pipe Straps are designed to be twist inserted anywhere along the slot side of the channel. Pipes can be placed as closely as pipe couplings permit.

Some unique features of the straps include:

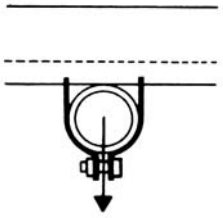
- Bolt head is combination slot and hex head for flexibility of attachment.
- Square nut is captivated on the shoulder for easy one-handed tightening.
- Straps are interchangeable with 1⅝" strut, for broader application.
- Straps are shipped assembled so counting and sorting are easier.
- Pipe or conduit sizes are sown on the strap for easy identification.





• All Superstrut Straps are pre-assembled for easy handling and sorting.

Design Loads



702 – Superstrut Straps for Rigid Conduit, IMC and Pipe

Standard Finishes – GoldGalv® brand, Electro-Galvanized EG (Silver)

Cat. No.	Rigid Conduit or Pipe Size	O.D. Size (In.)	Steel Strap Thickness	Design Load (lbs.)	Std. Ctn.
702-3/8	⅜"	0.675	14 ga.	750	100
702-1/2	½"	0.840	14 ga.	750	100
702-3/4	¾"	1.050	14 ga.	750	100
702-1	1"	1.315	14 ga.	750	100
702-1-1/4	1¼"	1.660	14 ga.	800	50
702-1-1/2	1½"	1.900	12 ga.	800	50
702-2-STR	2"	2.375	12 ga.	800	50
702-2-1/2	2½"	2.875	12 ga.	1000	50
702-3	3"	3.500	12 ga.	1650	50
702-3-1/2	3½"	4.000	11 ga.	1650	25
702-4	4"	4.500	11 ga.	1650	25
702-4-1/2	4½"	5.000	11 ga.	1650	25
702-5	5"	5.563	11 ga.	1650	25
702-6	6"	6.625	11 ga.	1650	10
702-8	8"	8.625	11 ga.	1650	10
702-10	10"	10.750	10 ga.	1650	25
702-12	12"	12.750	10 ga.	1650	25

Standard Finish – GoldGalv®, unless otherwise stated.

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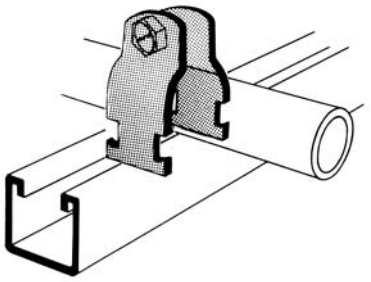
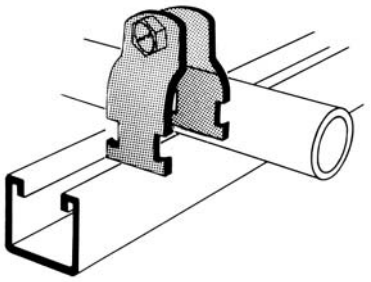


700 Superstrut Straps for EMT

Standard Finishes – GoldGalv® brand,
Consult factory regarding other finishes and materials.

Cat. No.	EMT Size	O.D. Size (In.)	Steel Strap Thickness	Design Load (lbs.)	Std. Ctn.
700-3/8-STR	3/8"	0.577	14 ga.	750	100
700-1/2-STR	1/2"	0.706	14 ga.	750	100
700-3/4-STR	3/4"	0.922	14 ga.	750	100
700-1-STR	1"	1.163	14 ga.	750	100
700-1-1/4-STR	1 1/4"	1.510	14 ga.	750	50
700-1-1/2-STR	1 1/2"	1.740	12 ga.	800	50
700-2-STR	2"	2.197	12 ga.	800	50



701 Superstrut Straps for O.D. Tubing

Standard Finishes – GoldGalv® brand,
Electro-Galvanized (i.e.)701-1-1/2EG (Silver)
Copper Plated CT701-1-1/2
Consult factory regarding other finishes and materials.

Cat. No.	Tubing O.D.	Steel Strap Thickness	Design Load (lbs.)	Std. Ctn
701-1/4	1/4"	14 ga.	750	100
701-3/8	3/8"	14 ga.	750	100
701-1/2-STR	1/2"	14 ga.	750	100
701-5/8	5/8"	14 ga.	750	100
701-3/4	3/4"	14 ga.	750	100
701-7/8	7/8"	14 ga.	750	100
701-1-STR	1"	14 ga.	750	50
701-1-1/8	1 1/8"	14 ga.	1000	100
701-1-1/4	1 1/4"	14 ga.	1000	25
701-1-3/8	1 3/8"	14 ga.	1000	100
701-1-1/2	1 1/2"	14 ga.	1000	25
701-1-5/8	1 5/8"	14 ga.	1000	100
701-1-3/4	1 3/4"	12 ga.	1000	25
701-1-7/8	1 7/8"	12 ga.	1000	50
701-2	2"	12 ga.	1000	50
701-2-1/8	2 1/8"	12 ga.	1300	50
701-2-1/4	2 1/4"	12 ga.	1300	25
701-2-3/8	2 3/8"	12 ga.	1300	25
701-2-1/2	2 1/2"	12 ga.	1300	25
701-2-5/8	2 5/8"	12 ga.	1300	50
701-2-3/4	2 3/4"	12 ga.	1300	25
701-2-7/8	2 7/8"	12 ga.	1300	25
701-3	3"	12 ga.	1300	25
701-3-1/8	3 1/8"	12 ga.	1300	25
701-3-1/4	3 1/4"	12 ga.	1300	25
701-3-3/8	3 3/8"	12 ga.	1300	25
701-3-1/2	3 1/2"	12 ga.	1300	25
701-3-5/8	3 5/8"	11 ga.	1650	25
701-3-3/4	3 3/4"	11 ga.	1650	25
701-3-7/8	3 7/8"	11 ga.	1650	25

Standard Finish – GoldGalv®, unless otherwise stated.

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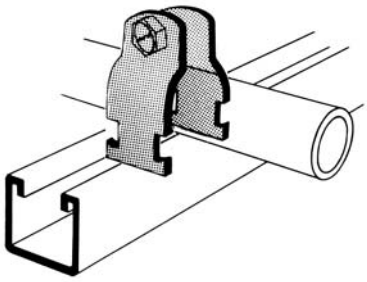
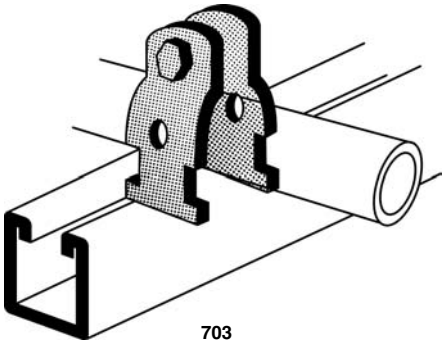


701 Superstrut Straps for O.D. Tubing (Continued)

Standard Finishes – GoldGalv® brand,
Electro-Galvanized (Silver) - use EG suffix. (i.e.) 701-1-1/2EG
Copper Plated - use CT prefix, eg CT701-1-1/2

Cat. No.	Tubing O.D.	Steel Strap Thickness	Design Load (lbs.)	Std. Ctn.
701-4	4"	11 ga.	1650	25
701-4-1/8	4⅛"	11 ga.	1650	25
701-4-1/4	4¼"	11 ga.	1650	25
701-4-3/8	4⅜"	11 ga.	1650	25
701-4-1/2	4½"	11 ga.	1650	10
701-4-5/8	4⅝"	11 ga.	1650	10
701-4-3/4	4¾"	11 ga.	1650	10
701-4-7/8	4⅞"	11 ga.	1650	10
701-4	5"	11 ga.	1650	25
701-5-1/8	5⅛"	11 ga.	1650	10
701-5-1/4	5¼"	11 ga.	1650	10
701-5-3/8	5⅜"	11 ga.	1650	10
701-5-1/2	5½"	11 ga.	1650	10
701-5-5/8	5⅝"	10 ga.	1650	10
701-5-3/4	5¾"	10 ga.	1650	10
701-5-7/8	5⅞"	10 ga.	1650	10
701-6	6"	10 ga.	1650	10
701-6-1/8	6⅛"	10 ga.	1650	10
701-6-1/4	6¼"	10 ga.	1650	10
701-6-3/8	6⅜"	10 ga.	1650	10
701-6-1/2	6½"	10 ga.	1650	10
701-6-5/8	6⅝"	10 ga.	1650	10
701-6-3/4	6¾"	10 ga.	1650	10
701-6-7/8	6⅞"	10 ga.	1650	10
701-8	8"	10 ga.	1650	10



703

- ***For Rigid or IMC Conduit, Pipe and Electric Metal Tubing (EMT).***

703 Universal Clamp

Standard Finishes – GoldGalv® brand,
Electro-Galvanized (Silver) - use EG suffix, (i.e.) 703-1-1/2EG

Cat. No.	Pipe O.D.	Material	Design Load (lbs.)	Std. Ctn.
703-1/2	.706 – .840	16 ga.	400	100
703-3/4	.932 – 1.050	14 ga.	550	100
703-1	1.163 – 1.315	14 ga.	550	100
703-1-1/4	1.508 – 1.660	14 ga.	800	50
703-1-1/2	1.738 – 1.900	14 ga.	800	50
703-2	2.195 – 2.375	14 ga.	800	50

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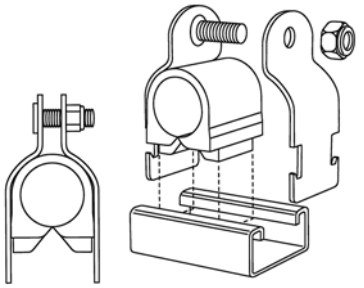


A-716

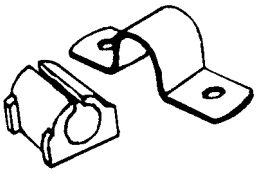
P-716

- *Assembly consisting of GoldGalv® finish steel clamp with bolt/locknut and cushion.*
- *Secure pipes, tubes and hoses for fluid conductors.*
- *Installation is easy and requires no more time than a simple pipe clamp installation.*
- *Cushion absorbs the shocks and associated vibrations from fluid surges in tubes, pipes and hoses.*
- *It can handle temperatures from 300°F to -40°F.*
- *Cushioned Clamp assemblies are available individually bagged.*

A-716 – Snap•Guard® Cushioned Clamp Tube Series P-716 – Pipe Series

Standard Finishes – GoldGalv® brand,
Available in - Stainless Steel - use SS suffix. (i.e) A-716-1SS
Electro-Galvanized (Silver) - use EG suffix. (i.e) A-716-1EG

O.D. Tubing Sizes		Standard Pipe Sizes		
Assembly Part #	Tube O.D.	Assembly Part #	Nominal Pipe Size	Std. Ctn.
A-716-1/4	¼	P-716-1/4	¼	25
A-716-3/8	⅜	P-716-3/8	⅜	25
A-716-1/2	½	P-716-1/2	½	25
A-716-5/8	⅝	P-716-3/4	¾	25
A-716-3/4	¾	P-716-1	1	25
A-716-7/8	⅞	P-716-1-1/4	1¼	25
A-716-1	1	P-716-1-1/2	1½	10
A-716-1-1/8	1⅛	P-716-2	2	10
A-716-1-1/4	1¼	P716-2-1/2	2½	10
A-716-1-3/8	1⅜	P-716-3	3	10
A-716-1-1/2	1½	P-716-3-1/2	3½	10
A-716-1-5/8	1⅝	P-716-4	4	10
A-716-1-3/4	1¾			10
A-716-1-7/8	1⅞			10
A-716-2	2			10
A-716-2-1/8	2⅛			10
A-716-2-3/8	2⅜			10
A-716-2-5/8	2⅝			10
A-716-3-1/8	3⅛			10
A716-4-1/8	4⅛			10



U-716

U-717

- *Guides, protects, and uniformly spaces line runs. Low cost, time saving method of attaching tubing and hose to equipment.*
- *Cushion is built to withstand the effects of most oils, chemical and industrial cleaning compounds, in temperatures from -50°F to 275°F. Interlock edge insures cushion remains in place.*
- *Clamp available in steel with the GoldGalv® hardware finish.*
- *Attached with two standard fasteners to any flat surface, this clamp eliminates the use of special channels, providing a savings in both space requirements and cost.*
- *Cushioned clamps reduce vibration, shock, and noise in fluid systems and eliminates electrolysis.*

U-716, U-717 – Two Hole Cushioned Clamp

Standard Finishes – GoldGalv® brand

Assembly Part Number	Copper and Steel Tubing O.D.	Copper Water Pipe (NOM)	Nominal Pipe Size	Std. Ctn.
U-716-1/4	¼			25
U-716-3/8	⅜	¼		25
U-716-1/2	½	⅜	¼	25
U-716-5/8	⅝	½	⅜	25
U-716-3/4	¾	⅝		25
U-716-7/8	⅞	¾	½	25
U-716-1	1			25
U-716-1-1/8	1⅛	1		25
U-716-1-1/4	1¼			10
U-716-1-3/8	1⅜	1¼		10
U-716-1-1/2	1½			10
U-716-1-5/8	1⅝	1½		10
U-716-1-3/4	1¾			10
U-716-1-7/8	1⅞		1½	10
U-716-2	2			10
U-716-2-1/8	2⅛			10
U-716-2-3/8	2⅜			10
U-717-3/4			¾	25
U-717-1			1	10
U-717-1-1/4			1¼	10

Standard Finish – GoldGalv®, unless otherwise stated.

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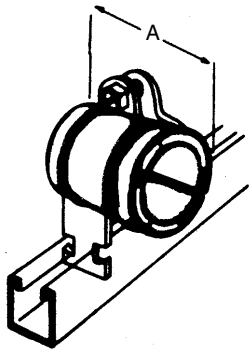
Pipe Straps



C-716 Isolator for Copper Tubing

Cat. No.	Size	Nominal Pipe Size	Hanger, C-711 Or Pipe Strap, 702	Width A	Std. Ctn.
C-716-1/2	½	½	¾	2⅜	100
C-716-3/4	¾	¾	¾	2⅜	100
C-716-1	1	1	1	2⅜	100
C-716-1-1/4	1¼	1¼	1¼	2⅜	50
C-716-1-1/2	1½	1½	1½	2⅜	50
C-716-2	2	2	2½	2⅜	50
C-716-2-1/2	2½	2½	3	2⅜	50
C-716-3	3	3	3½	2⅜	50
C-716-3-1/2	3½	3½	4	4¼	30
C-716-4	4	4	5	4¼	20

Order by Cat. No. and size.

FEATURES

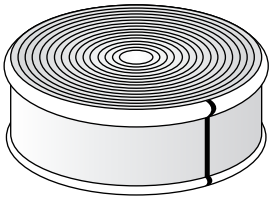
Designed for use with: Superstrut channel and pipe straps and Superstrut C-711 Hangers and may also be used with all standard flatbar or malleable iron hangers.

MATERIALS

Manufactured from one piece steel shell with reinforcing ribs for stiffening and alignment. Padding is of processed non-conducting hairfelt and is cemented to the metal. Design of ribs creates a hinge so isolator may be opened and closed to install.

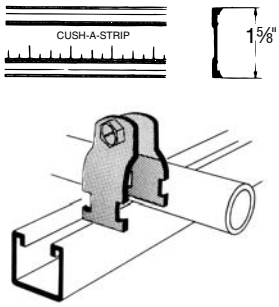
APPLICATION

To provide a means to effectively isolate copper tubing from its supports to prevent the transmission of sound and vibration



S-716

Sold in a carton of 20 feet.



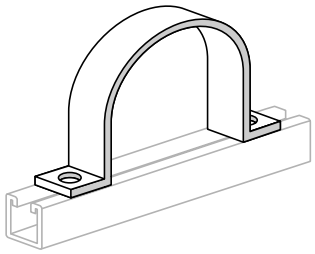
• Order 701 clamp separately.

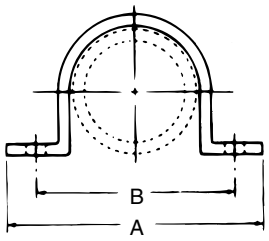
S-716 – Cushioned Strip for Isolation and Vibration Applications

For use with 701 O.D. tubing and pipe clamp. To determine 701 clamp size add ¼" to O.D. tube size to allow for the Cushioned strip material.

¼" markings for fast measuring and cutting. Measurement chart is printed on back of carton. **20 feet included in each carton.**

Prevent metal to metal contact with the Cushioned strip material. It aids in sound insulation, shock absorption and protects against corrosion, distortion and abrasion. Cushioned strip material is designed for optimal use between -30°F and 300°F. Cushioned strip material combined with the Superstrut 701 pipe strap can handle clamping assignments from ¼" to 6.





C-708-U Short Strap for Channel or Wall Mounting

Cat. No.	Pipe Size	A	B	Hole Size	Stock Size	Design Load lbs.	Std. Ctn.
C-708-U-1/2	½	2⅞	2	9⁄32	⅛ x 1⅝	650	50
C-708-U-3/4	¾	3 1⁄16	2 3⁄16	9⁄32	⅛ x 1⅝	650	50
C-708-U-1	1	3⅜	2½	9⁄32	⅛ x 1⅝	650	50
C-708-U-1-1/4	1¼	3 11⁄16	2 3⁄16	9⁄32	⅛ x 1⅝	650	25
C-708-U-1-1/2	1½	3 15⁄16	3 1⁄16	9⁄32	⅛ x 1⅝	650	25
C-708-U-2	2	5¾	4⅛	7⁄16	¼ x 1⅝	650	25
C-708-U-2-1/2	2½	6 3⁄16	4 9⁄16	7⁄16	¼ x 1⅝	1000	25
C-708-U-3	3	6 3⁄16	5 3⁄16	7⁄16	¼ x 1⅝	1000	25
C-708-U-3-1/2	3½	7 5⁄16	5 11⁄16	7⁄16	¼ x 1⅝	1000	25
C-708-U-4	4	7 13⁄16	6 3⁄16	7⁄16	¼ x 1⅝	1200	25
C-708-U-5	5	8⅞	7¼	7⁄16	¼ x 1⅝	1200	10
C-708-U-6	6	9 15⁄16	8 5⁄16	7⁄16	¼ x 1⅝	1200	10

Carbon Steel.

Standard Finish – GoldGalv®, unless otherwise stated.

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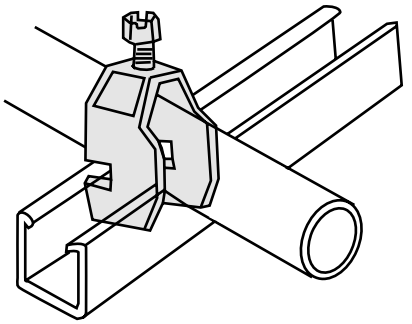
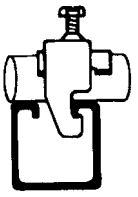


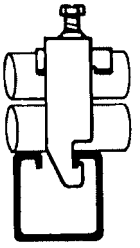
- *Fits E.M.T., I.M.C., rigid conduit.*
- *Size range ½" through 2".*
- *Can be used on 1½" or 1⅝" channel.*
- *Saves inventory dollars.*
- *Corrosion resistant GoldGalv® hardware finish.*
- *One piece construction means no assembly required.*
- *Installs directly over conduit for easy installation.*
- *50% reduction of installation time.*
- *No twisting required to install.*
- *Slotted hex head screw.*

C-108 Universal Pipe Strap – EZ-Strap

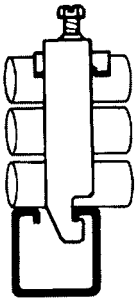
Part Number	Conduit Or Pipe Size (EMT, I.M.C., Rigid)	Steel Strap Thickness	O.D. Size	Std. Ctn.
C-108-1/2	½	16 ga.	⅞	100
C-108-3/4	¾	16 ga.	1 5/64	100
C-108-1	1	16 ga.	1 11/32	100
C-108-1-1/4	1¼	14 ga.	1 11/16	50
C-108-1-1/2	1½	14 ga.	1 15/16	50
C-108-2	2	14 ga.	2 13/32	50



C118
Single Cable Clamp



C128
Double Cable Clamp



C188
Triple Cable Clamp

C-118 Medium Duty Cable Clamp

Standard Finish: Pregalvanized (PG)

Cat. No.	O.D. of Cable or Pipe in	O.D. of Cable or Pipe mm	Rigid cond.	EMT cond.	Std. Ctn.
Single					
C118-047PG	0.27-0.47	7.5-12	–	–	100
C118-055PG	0.4-0.55	10-14	–	–	100
C118-070PG	0.5-0.7	13-18	⅜	–	100
C118-090PG	0.6-0.9	15-23	½	½	100
C118-110PG	0.85-1.1	21.5-29	¾	¾	100
C118-140PG	1.1-1.4	28-36	1	1	100
C118-175PG	1.4-1.75	35.5-44	1¼	1¼-1½	100
C118-200PG	1.75-2.0	44.5-51	1½	–	100
C118-250PG	2.0-2.5	51-63.5	2	2	100
C118-300PG	2.5-3.0	63.5-76	2½	2½	25
C118-370PG	2.6-3.7	66-95	3	3	25
C118-410PG	3.5-4.1	89-105	3½	3½	10
C118-460PG	3.9-4.6	99-118	4	4	10
Double					
C128-047PG	0.27-0.47	7.5-12	–	–	100
C128-055PG	0.4-0.55	10-14	–	–	100
C128-070PG	0.5-0.7	13-18	⅜	–	100
C128-090PG	0.6-0.9	15-23	½	½	100
C118-110PG	0.85-1.1	21.5-29	¾	¾	100
C118-140PG	1.1-1.4	28-36	1	1	100
C128-175PG	1.4-1.75	35.5-44	1¼	1¼	100
Triple					
C138-047PG	0.27-0.47	7.5-12	–	–	100
C138-055PG	0.4-0.55	10-14	–	–	100
C138-070PG	0.5-0.7	13-18	⅜	–	100
C138-090PG	0.6-0.9	15-23	½	½	100

Standard Finish – GoldGalv®, unless otherwise stated.

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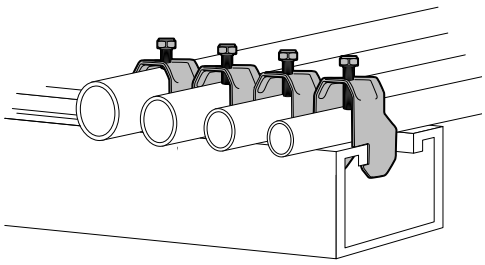


CH118

CH-118 and CX-118 Heavy Duty Cable Clamp

Catalog Number	Fig. No.	EMT Size	Rigid Size	Cable O.D. (in.)	Description	Pkg. Per Box
CH118-055EG	1	⅜	–	0.40-0.55	Conduit to strut clamp	100
CH118-081EG	1	½	⅜	0.50-0.70	Conduit to strut clamp	100
CH118-110EG	1	¾	½	0.60-.090	Conduit to strut clamp	100
CH118-125EG	1	1	¾	0.85-1.10	Conduit to strut clamp	100
CH118-135EG	1	1¼	1	1.10-1.40	Conduit to strut clamp	100
CH118-175PG	1	1½	1¼	1.40-1.75	Conduit to strut clamp	100
CH118-205EG	1	2	1½	1.75-2.00	Conduit to strut clamp	100
CH118-250EG	1	–	2	2.00-2.50	Conduit to strut clamp	100
CH118-300EG	1	2½	2½	2.50-3.00	Conduit to strut clamp	25
CH118-375EG	1	3	3	2.60-3.70	Conduit to strut clamp	25
CH118-425EG	1	3½	3½	3.50-4.10	Conduit to strut clamp	10
CH118-475EG	1	4	4	3.90-4.60	Conduit to strut clamp	10
CX118-081EG	2	½	⅜	–	Conduit to strut clamp without saddle	100
CX118-110EG	2	¾	½	–	Conduit to strut clamp without saddle	100
CX118-125EG	2	1	¾	–	Conduit to strut clamp without saddle	100
CX118-135EG	2	1¼	1	–	Conduit to strut clamp without saddle	100
CX118-175PG	2	1½	1¼	–	Conduit to strut clamp without saddle	100
CX118-205EG	2	2	1½	–	Conduit to strut clamp without saddle	100

Available in double or triple configurations.

Example: Double - CH128-047EG
Triple - CH138-047EG

Features

- ***One piece installation.***
- ***No screws or bolts to drop.***
- ***Installs quickly and easily.***
- ***Heavy duty construction with a bright zinc finish.***
- ***Size ½" to 4" conduits.***
- ***Requires only a screwdriver for installation.***

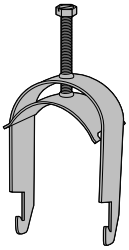


Fig. 1

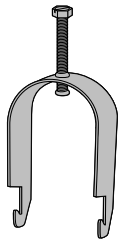
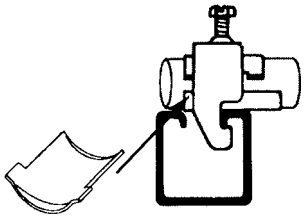
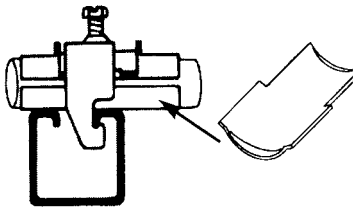


Fig. 2

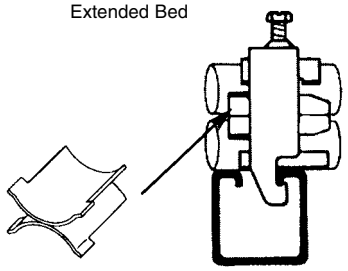


CB118
Counterbed



EB118
Extended Bed

Not Sold in pairs



DB118
Double Bed

CB-118 Counterbed, EB118 Extended Bed, DB118 Double Bed

Cat. No.	Std. Ctn.
Counterbed	
CB118-047PG	100
CB118-055PG	100
CB118-070PG	100
CB118-090PG	100
CB118-110PG	100
CB118-140PG	100
CB118-175PG	100
CB118-200PG	100
CB118-250PG	100
CB118-300PG	100
Extended Bed	
EB118-047PG	100
EB118-055PG	100
EB118-070PG	100
EB118-090PG	100
EB118-110PG	100
EB118-140PG	100
EB118-175PG	1
EB118-200PG	1
EB118-250PG	1
EB118-300PG	1
Double Bed	
DB118-047PG	1
DB118-055PG	1
DB118-070PG	1
DB118-090PG	1

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Pipe Straps

16411 Series Two Hole Pipe Strap

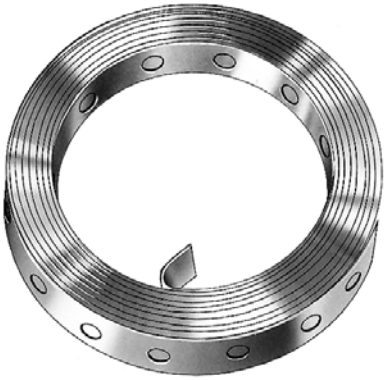
Cat No.	Pipe Size	Std. Ctn.
16411	½	500
16412	¾	500
16413	1	500
16414	1¼	250
16415	1½	250
16416	2	125
16417	2½	125
16418	3	100
16419	3½	75
16420	4	50

Standard Finish - Galvanized.
Carbon steel.
Specify pipe size and catalog number.
Also available in stainless steel. See price list for ordering information.

16-919 Series One Hole Pipe Straps

Cat No.	Pipe Size	Std. Ctn.
16-919	¼"	500
16-920	⅜"	500
16-921	½"	500
16-922	¾"	500
16-923	1"	500
16-924	1¼"	250
16-925	1½"	250
16-926	2"	50
16-927‡	2½"	25
16-928‡	3"	25
16-930‡	4"	25

‡ These sizes do not have snap-on feature.



Strap 2210 (B, PG), Strap 2410 (B, PG) Strap 2250 (B, PG), Strap 2450 (B, PG)

Size	Finish	Style
¾ x 24 ga.	Plain Steel	Coils
¾ x 20 ga.	Plain Steel	Coils
¾ x 24 ga.	Pre-Galvanized	Coils
¾ x 20 ga.	Pre-Galvanized	Coils

Perforated Hanger Strapping.
Standard Finish - Plain Steel or Galvanized.
Carbon steel.
Specify size, finish and catalog number. Available in 10', 50' and 100' coils.
Stainless steel sizes available on request.

Standard Finish – GoldGalv®, unless otherwise stated.

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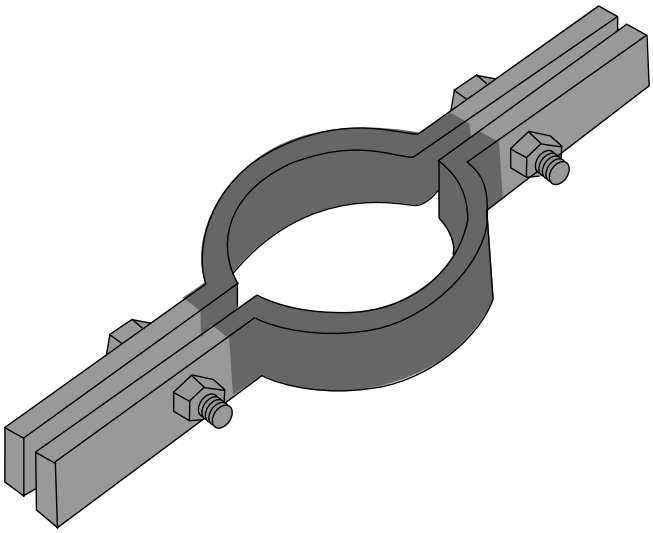
Pipe Clamps



Plastic Coated

C-720

Riser Clamp

Standard Finishes - GoldGalv brand, Black (B), Stainless Steel

C-720P

Plastic Coated Riser Clamp

Standard Finish - GoldGalv brand

Available in sizes ½" through 6".

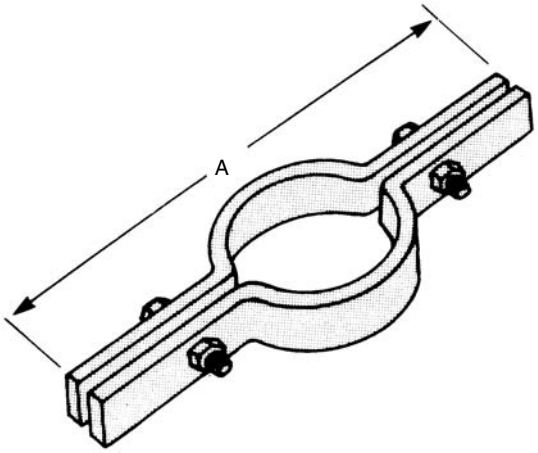
C-720-SS

Stainless Steel Riser Clamp

Finish - Stainless Steel

Available in sizes ½" through 10".

Complies with Federal Spec.WW-H-171E and MSS SP-69, Type 8.



Standard Riser.
Black or Plated.

Pipe Size	A	Size Stock	Size Bolts	Max. Rec. Load, lbs.	Std. Ctn.
½	9⅛	3⁄16 x 1	⅜ x 1½	220	50
¾	9¼	3⁄16 x 1	⅜ x 1½	220	50
1	9⅝	3⁄16 x 1	⅜ x 1½	220	50
1¼	9⅞	¼ x 1	⅜ x 1½	250	50
1½	10	¼ x 1	⅜ x 1½	250	10
2	10½	¼ x 1	⅜ x 1½	300	50
2½	11 1⁄16	¼ x 1	⅜ x 1½	400	25
3	11 13⁄16	¼ x 1	⅜ x 1½	500	25
3½	13	¼ x 1	½ x 1½	600	25
4	13½	¼ x 1	½ x 1½	750	25
5	14	¼ x 1½	½ x 1¾	1500	10
6	15 3⁄16	¼ x 1½	½ x 1¾	1600	5
8	19	⅜ x 1½	⅝ x 2½	2500	1
10	22	⅜ x 2	⅝ x 2½	2500	1
12	22½	½ x 2	⅝ x 2½	2700	1
14	23¾	½ x 2	⅝ x 2½	2700	1
16	27½	⅝ x 2½	¾ x 3	2900	1
18	28½	⅝ x 2½	¾ x 3	2900	1
20	30¼	⅝ x 2½	¾ x 3	2900	1

Note: Load rating based on cast iron soil pipe. Load rating for other pipe may vary depending on coefficient of friction of pipe surface.

Standard Finish – GoldGalv®, unless otherwise stated.

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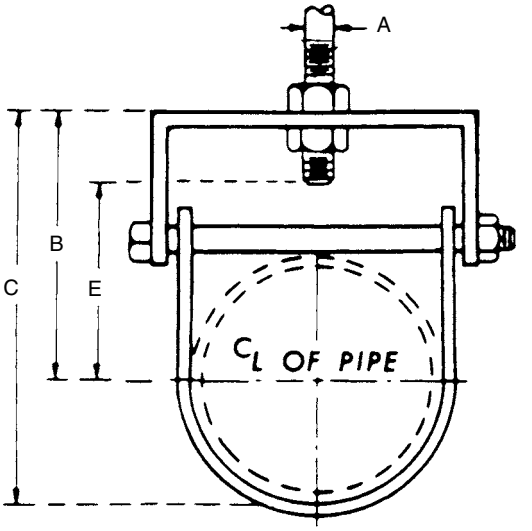
Pipe Straps, Pipe Clamps & Hangers (Series 700/105)

Pipe Clamps



CF-710
Flat Top Clevis Hanger
Standard Finish - Black (B)
Steel
General piping. Where space does not permit installation of standard C-710 Clevis Hangers.
Specify size, catalog number and finish.

Cat. No.	Pipe Size	Size of Steel: Upper Yoke	Size of Steel: Lower Strap	A	B	C	E**	Max. Rec. Load, lbs.	Std. Ctn.
CF-710-2B	2B	3/16 x 1 1/4	1/8 x 1 1/4	3/8	2 1/2	3 3/4	2 3/16	300	50
CF-710-2-1/2B	2 1/2B	3/16 x 1 1/4	3/16 x 1 1/4	1/2	3	4 1/2	2 1/4	500	50
CF-710-3B	3B	3/16 x 1 1/4	3/16 x 1 1/4	1/2	3 1/2	5 1/2	2 3/4	500	25
CF-710-3-1/2B	3 1/2B	3/16 x 1 1/4	3/16 x 1 1/4	1/2	3 5/8	5 13/16	3 1/8	500	25
CF-710-4B	4B	1/4 x 1 1/4	3/16 x 1 1/4	5/8	3 3/4	6 1/2	3 1/2	700	25
CF-710-5B	5B	1/4 x 1 1/4	3/16 x 1 1/4	5/8	4 5/8	7 5/8	3 7/8	700	25
CF-710-6B	6B	1/4 x 1 1/2	3/16 x 1 1/2	3/4	5	8 7/16	4 7/16	900	10
CF-710-8B	8B	1/4 x 1 3/4	3/16 x 1 3/4	7/8	6 3/8	10 7/8	5 7/16	1000	10

Standard Finish – GoldGalv®, unless otherwise stated.

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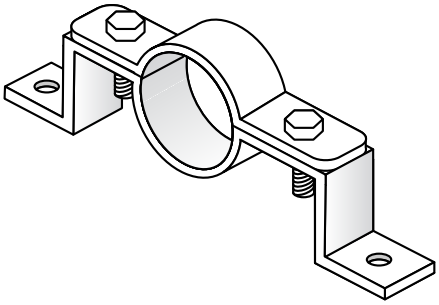
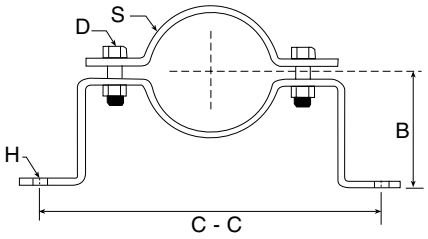
Pipe Clamps

C-720L – Offset Pipe Clamp



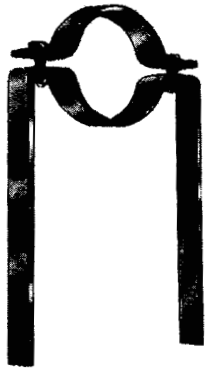


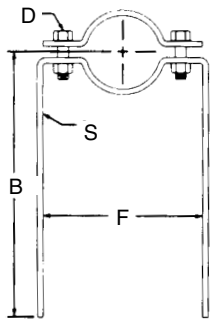
Standard Finish – GoldGalv® – Black (suffix B) or Stainless Steel (suffix SS)

Carbon Steel. For use in supporting general piping away from wall or floor.
Order by Size, Product No.

Cat. No.	Pipe Size	B	C-C	D	H	Stock Size S	Design Load lbs.	Std. Ctn.
C-720L-3/4	¾	2½	7 3/16	⅜	7/16	1¼ x ¼	200	10
C-720L-1	1	2⅝	7 3/16	⅜	7/16	1¼ x ¼	200	10
C-720L-1-1/4	1¼	2 13/16	7⅞	⅜	7/16	1¼ x ¼	200	10
C-720L-1-1/2	1½	2 15/16	8¼	⅜	7/16	1¼ x ¼	200	10
C-720L-2	2	3 3/16	9⅛	⅜	7/16	1¼ x ¼	410	10
C-720L-2-1/2	2½	3 7/16	10½	⅜	7/16	1¼ x ¼	410	10
C-720L-3	3	3¾	11⅛	⅜	7/16	1¼ x ¼	410	5
C-720L-3-1/2	3½	4	11⅝	⅜	7/16	1¼ x ¼	410	5
C-720L-4	4	4¼	12½	½	9/16	1½ x ¼	600	5
C-720L-5	5	4¾	13¾	½	9/16	1½ x ¼	600	2
C-720L-6	6	5 5/16	16½	½	9/16	1½ x ⅜	600	2
C-720L-8	8	6 5/16	18⅝	½	9/16	1½ x ⅜	600	2

CX-725 – Extended Pipe Clamp





Standard Finish – GoldGalv® – Black (suffix B) or Stainless Steel (suffix SS)

Carbon Steel
Also available in stainless steel. See price list for special ordering information.

Used for supporting pipe line where a definite distance between pipe and structure cannot be determined until the piping is in position. Order by pipe size, catalog number, finish and dimension “B” if other than standard.

Cat. No.	Pipe Size	B	D	F	Stock Size S	Design Load lbs.	Std. Ctn.
CX-725-3/4	¾	12	⅜	4 7/16	1¼ x ¼	183	1
CX-725-1	1	12	⅜	4 11/16	1¼ x ¼	232	1
CX-725-1-1/4	1¼	12	⅜	5	1¼ x ¼	240	1
CX-725-1-1/2	1½	12	⅜	5¼	1¼ x ¼	245	1
CX-725-2	2	12	½	6	1½ x ¼	313	1
CX-725-2-1/2	2½	12	½	7¼	1½ x ¼	421	1
CX-725-3	3	12	½	7⅞	1½ x ¼	447	1
CX-725-3-1/2	3½	12	½	8⅜	1½ x ¼	474	1
CX-725-4	4	12	½	9¼	1½ x ¼	490	1
CX-725-5	5	12	½	10½	1½ x ¼	532	1
CX-725-6	6	12	⅝	12½	2 x ⅜	1115	1
CX-725-8	8	12	⅝	14⅝	2 x ⅜	1265	1

Standard Finish – GoldGalv®, unless otherwise stated.

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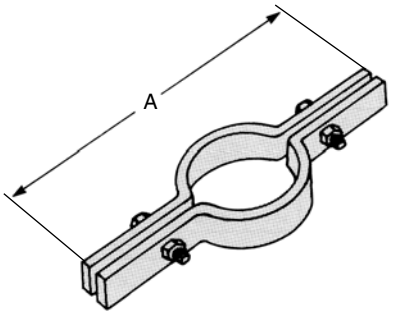
Pipe Clamps

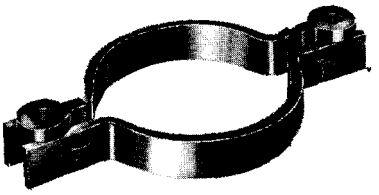
CT-720 – Copper Tubing Riser Clamp

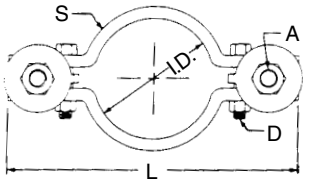


Standard Finish – Copper Plated

Cat. No.	Tube Size	A	Material Size	Rec. Load lbs.	Std. Ctn.
CT-720-1/2	½	6¾	⅛ x 1	225	50
CT-720-3/4	¾	7 1⁄16	⅛ x 1	225	50
CT-720-1	1	9¼	⅛ x 1	250	50
CT-720-1-1/4	1¼	9⅝	⅛ x 1	250	50
CT-720-1-1/2	1½	10⅛	⅛ x 1	500	50
CT-720-2	2	10¾	3⁄16 x 1	500	50
CT-720-2-1/2	2½	11¼	3⁄16 x 1	500	25
CT-720-3	3	11½	3⁄16 x 1	500	25
CT-720-3-1/2	3½	12¼	3⁄16 x 1¼	500	10
CT-720-4	4	12¾	3⁄16 x 1¼	500	25
CT-720-5	5	14	¼ x 1½	815	1
CT-720-6	6	15½	¼ x 1½	815	1

C-724-Socket Clamp





Standard Finish – GoldGalv® or Black (suffix B)

Carbon steel clamp, cast iron washer.

The socket clamp is used to securely anchor the caulked joints on bell and spigot water mains, by means of two clamps and threaded rods, which prevent separation and distortion of the pipe in the event of excessive water pressure. The bolts are threaded extra long to accommodate the different classes and diameters of cast iron water pipe. Specify pipe size, catalog number and finish. Two W-724 Washers are required for each clamp and must be ordered separately.

Cat. No.	Pipe Size	Rod Diam. A	D	I.D.	L	Stock Size S	Std. Ctn.
C-724-3B	3B	¾	⅝	3.96	11⅜	2 x ⅜	1
C-724-4B	4B	¾	⅝	4.8	12⅛	2 x ½	1
C-724-6	6	¾	⅝	6.9	14⅜	2 x ½	1
C-724-8B	8B	¾	⅝	9.05	16⅝	2 x ½	1
C-724-10B	10B	¾	⅝	11.1	18⅞	2 x ½	1
C-724-12	12	¾	⅝	13.2	21¼	2 x ½	1
C-724-14B	14B	1	⅞	15.3	25½	3 x ¾	1
C-724-16	16	1⅛	1	17.4	28	4 x ¾	1
C-724-18B	18B	1¼	1¼	19.5	31½	4 x ¾	1
C-724-20B	20B	1⅜	1¼	21.6	33¾	4½ x ¾	1
C-724-24B	24B	1½	1½	25.8	39¾	5 x ¾	1

Standard Finish – GoldGalv®, unless otherwise stated.

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Pipe Clamps

W-724 – Socket Clamp Washer

Standard Finish - Black (B)

Cast iron.

Two used with each socket clamp and must be ordered separately. Specify washer size, catalog number, name.

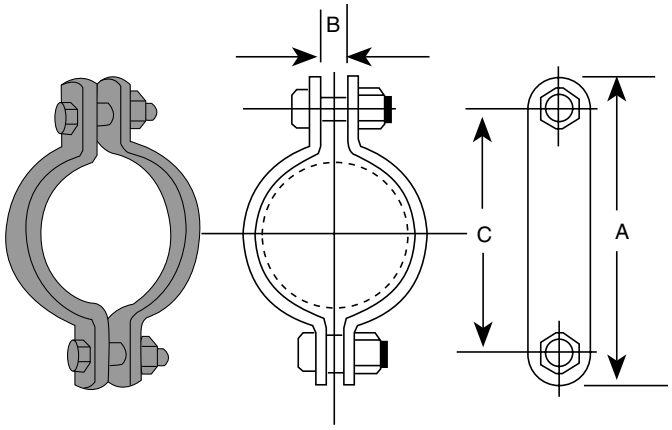
C-725 – Medium Pipe Clamp

Standard Finishes – GoldGalv® brand, Black (B), Carbon Steel or Stainless Steel

For suspension of pipe lines where little or no insulation is required.
Complies with Federal Spec. WW-H-171E and MSS SP-69, Type 4.
Order by Cat. No., pipe size.

Cat. No.	Pipe Size	B	C	D	E	F	H	S	Max. Rec. Load, lb.*	Std. Ctn.
C-725-1/2	½	1	7/16	1 5/8	1	5/16	1½	1/8 x 1	500	50
C-725-3/4	¾	1 1/8	7/16	1 3/4	1 1/4	5/16	1 3/4	1/8 x 1	500	50
C-725-1	1	1 1/4	7/16	1 13/16	1 1/4	5/16	1 13/16	1/8 x 1	500	50
C-725-1-1/4	1 1/4	1 7/16	7/16	2	1 7/16	5/16	2	1/8 x 1	500	50
C-725-1-1/2	1½	1 5/8	½	2 1/16	1½	5/16	2 1/4	1/8 x 1	715	25
C-725-2	2	2 1/8	9/16	3 1/8	2 1/4	½	3	1/4 x 1	1040	25
C-725-2-1/2	2½	2 5/16	9/16	3 5/16	2½	½	3 1/4	1/4 x 1	1040	25
C-725-3	3	2 3/4	9/16	3 3/4	2 3/4	½	3 5/8	1/4 x 1	1040	25
C-725-3-1/2	3½	3 7/8	5/8	3 3/4	3	½	3 7/8	1/4 x 1	1040	25
C-725-4	4	3 5/16	3/4	4 1/4	3 5/16	5/8	4 1/4	1/4 x 1 1/4	1040	25
C-725-5	5	4 1/8	3/4	4 5/8	3 3/4	5/8	4 7/8	1/4 x 1 1/4	1040	5
C-725-6	6	4 7/8	7/8	5 7/8	5	3/4	5 3/4	3/8 x 1½	1615	1
C-725-8	8	6	1	7	6 1/8	3/4	6 7/8	3/8 x 1½	1615	1
C-725-10	10	7 5/16	1	8 9/16	7 7/16	7/8	8 7/16	½ x 2	2490	1
C-725-12	12	8 1/4	1	9 9/16	8 7/16	7/8	9 3/8	½ x 2	2490	5
C-725-14	14	9	1 1/8	10 5/8	9 1/4	7/8	10 3/8	½ x 2½	2490	1
C-725-16	16	10	1 1/8	11 5/8	10 1/4	7/8	11 3/8	½ x 2½	2490	1
C-725-18	18	11½	1 1/4	13	11 5/8	1	12 7/8	5/8 x 2½	3060	1
C-725-20	20	12½	1 3/8	14 1/8	12 3/4	1 1/8	13 7/8	5/8 x 2½	3060	1
C-725-24B	24B	15	1 5/8	16 7/8	15 1/4	1 1/4	16 5/8	5/8 x 3	3060	1

*Based on the allowable stresses shown in ANSI Code for pressure piping.
Also available in stainless steel (see price sheet).



Standard Finish – GoldGalv®, unless otherwise stated.

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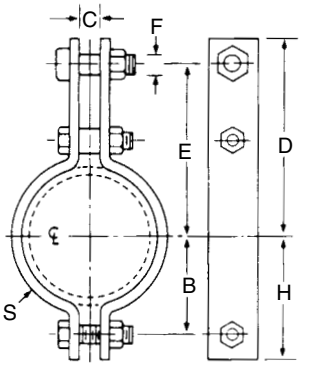

Pipe Clamps

C-726-Double Bolt Pipe Clamp

Standard Finish – Black (B)

Carbon Steel
Also available in stainless steel. See price list for ordering information.

For the suspension of insulated pipe lines. Normally used with weldless eye nut, Fig. 120A. Specify pipe size and catalog number.

Cat. No.	Pipe Size	B	C	D	E**	F	H	S	Max. Rec. Load, lb.	Std. Ctn.
C-726-1/2B	½B	15⁄16	5⁄8	2 7⁄8	2 1⁄4	3⁄8	1 5⁄8	3⁄16 x 1	950	1
C-726-3/4B	¾B	1 1⁄16	5⁄8	3 3⁄16	2 1⁄2	3⁄8	1 11⁄16	3⁄16 x 1	950	1
C-726-1B	1B	1 1⁄2	5⁄8	3 3⁄4	2 1⁄2	3⁄8	2 1⁄16	3⁄16 x 1	950	1
C-726-1-1/4B	1¼B	1 1⁄2	3⁄4	3 11⁄16	2 7⁄8	3⁄8	2 1⁄4	3⁄16 x 1	950	1
C-726-1-1/2B	1½B	1 13⁄16	1 1⁄16	4 7⁄8	3 3⁄4	5⁄8	2 13⁄16	1⁄4 x 1 1⁄4	1545	1
C-726-2B	2B	2 1⁄4	1 1⁄16	5 11⁄16	4 11⁄16	5⁄8	3 3⁄16	1⁄4 x 1 1⁄4	1545	1
C-726-2-1/2B	2½B	2 5⁄8	1 1⁄16	6 1⁄2	5 3⁄8	5⁄8	3 1⁄2	1⁄4 x 1 1⁄4	1545	1
C-726-3B	3B	2 3⁄4	1 1⁄16	6 7⁄8	6	5⁄8	3 3⁄4	1⁄4 x 1 1⁄4	1545	1
C-726-3-1/2B	3½B	3	1 1⁄16	7 1⁄16	6 3⁄16	5⁄8	4	1⁄4 x 1 1⁄4	1545	1
C-726-4B	4B	3 3⁄8	1 1⁄16	7 5⁄8	6 1⁄2	3⁄4	4 1⁄2	3⁄8 x 2	2500	1
C-726-5B	5B	3 15⁄16	1 1⁄16	8 1⁄8	7	3⁄4	5	3⁄8 x 2	2500	1
C-726-6B	6B	4 3⁄4	1 7⁄16	9 15⁄16	8 9⁄16	1	6 1⁄8	3⁄8 x 2 1⁄2	2865	1
C-726-8B	8B	5 3⁄4	1 7⁄16	10 15⁄16	9 9⁄16	1	7 1⁄8	3⁄8 x 2 1⁄2	2865	1
C-726-10B	10B	6 7⁄8	1 7⁄16	12	10 5⁄8	1	8 1⁄4	1⁄2 x 2 1⁄2	3240	1
C-726-12B	12B	7 7⁄8	1 7⁄16	13	11 5⁄8	1	9 1⁄4	1⁄2 x 2 1⁄2	3240	1
C-726-14B	14B	9 1⁄16	2	14 5⁄16	12 11⁄16	1 1⁄4	10 11⁄16	5⁄8 x 3	4300	1
C-726-16B	16B	10 1⁄16	2	15 5⁄16	13 11⁄16	1 1⁄4	11 11⁄16	5⁄8 x 3	4300	1
C-726-18B	18B	11 1⁄16	2	16 5⁄16	14 11⁄16	1 1⁄4	12 11⁄16	5⁄8 x 3	4300	1
C-726-20B	20B	12 3⁄8	2	17 1⁄2	15 7⁄8	1 3⁄8	14	3⁄4 x 3	5490	1
C-726-24B	24B	14 3⁄8	2	19 1⁄2	17 7⁄8	1 1⁄2	16	3⁄4 x 3	4500	1

Standard Finish – GoldGalv®, unless otherwise stated.

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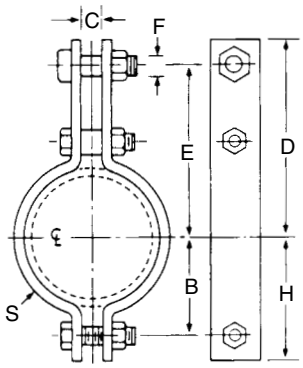

A-726-Double Bolt Alloy Pipe Clamp

Standard Finish - Black (B)

Alloy Steel – ASTM A 387 Grade D. Recommended for supporting insulated alloy pipe lines. Maximum temperature, 1050°F. Specify size and part number.

Cat. No.	Pipe Size	Max. Recom. Load 900°F	950°F	1000°F	1050°F	Std. B	Std. C	D	E	F	G	H	Std. Ctn.
A-726-1-1/2B	1½B	1600	1400	1000	700	1¾	1	4⅞	4	⅝	1¼ x ¼	2⅜	1
A-726-2B	2B	1600	1400	1000	700	2⅛	1	5⅞	5	⅝	1¼ x ¼	2¾	1
A-726-2-1/2B	2½B	1600	1400	1000	700	2¼	1	6⅜	5½	⅝	1¼ x ¼	33	1
A-726-3B	3B	1600	1400	1000	700	2¾	1	6⅞	6	⅝	1¼ x ¼	3½	1
A-726-4B	4B	2600	2300	1600	1100	3⅜	1	7⅝	6½	¾	2 x ⅜	4½	1
A-726-5B	5B	2600	2300	1600	1100	4	1	8⅛	7	¾	2 x ⅜	5	1
A-726-6B	6B	3000	2600	1800	1300	4¾	1½	10	8½	1	2½ x ¾	6⅛	1
A-726-8B	8B	3000	2600	1800	1300	5¾	1½	11	9½	1	2½ x ¾	7⅛	1
A-726-10B	10B	3400	3000	2100	1500	7	1½	12½	11	1	2½ x ½	8¼	1
A-726-12B	12B	3400	3000	2100	1500	8	1½	13½	12	1	2½ x ½	9¼	1
A-726-14B	14B	4500	3900	2800	2000	9	2	14⅞	13	1¼	3 x ⅝	10¾	1
A-726-16B	16B	4500	3900	2800	2000	10	2	15⅞	14	1¼	3 x ⅝	11¾	1
A-726-18B	18B	4500	3900	2800	2000	11	2	16⅞	15	1¼	3 x ⅝	12¾	1
A-726-20B	20B	5700	5000	3200	2500	12⅜	2	18	16	1⅜	3 x ¾	14	1
A-726-24B	24B	6200	5500	3500	2700	14⅜	2	20¼	18	1½	4 x ¾	16	1
A-726-30B	30B	8300	7200	4600	3500	18	2	26½	24	1¾	5 x 1	20	1
A-726-36B	36B	8300	7200	4600	3500	21½	2	30	27½	1¾	5 x 1	23½	1

Standard Finish – GoldGalv®, unless otherwise stated.

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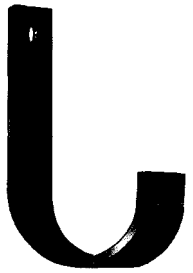
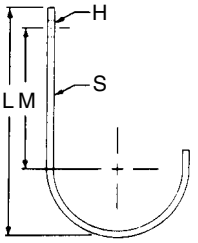
Pipe Hangers

C-704 – Return Line Straight J-Hook





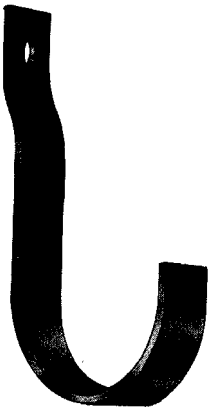
Standard Finish – Black (B)

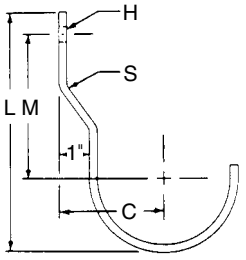
Carbon Steel

For use on pipe lines running next to walls that do not require clearance. Specify pipe size, part number and finish.

Cat. No.	Pipe Size	H	L	M	Stock Size S	Max. Rec. Load, lb.	Std. Ctn.
C-704-1/2B	½B	9/16	6⅜	5	1¼ x ¼	350	25
C-704-3/4B	¾B	9/16	6½	5	1¼ x ¼	350	25
C-704-1B	1B	9/16	6 11/16	5	1¼ x ¼	350	25
C-704-1-1/4B	1¼B	9/16	6 3/16	5	1¼ x ¼	350	25
C-704-1-1/2B	1½B	9/16	6 5/16	5	1½ x ¼	600	25
C-704-2B	2B	9/16	7 3/16	5	1½ x ¼	600	25
C-704-2-1/2B	2½B	9/16	7 7/16	5	1½ x ¼	600	25
C-704-3B	3B	9/16	7¾	5	1½ x ¼	600	25
C-704-3-1/2B	3½B	9/16	8	5	1½ x ¼	600	25
C-704-4B	4B	9/16	8¼	5	1½ x ¼	600	25

C-704-A – Offset Return Line J-Hook





Standard Finish – Black (B)

Carbon Steel

For general piping running next to wall. An offset of 1" in all sizes provides clearance for fittings. Specify pipe size and part number.

Cat. No.	Pipe Size	C	H	L	M	Stock Size S	Max. Rec. Load, lb.	Std. Ctn.
C-704-A-1/2B	½B	1⅝	9/16	6⅜	5	1¼ x ¼	350	25
C-704-A-3/4B	¾B	1 11/16	9/16	6½	5	1¼ x ¼	350	25
C-704-A-1B	1B	1 15/16	9/16	6 11/16	5	1¼ x ¼	350	25
C-704-A-1-1/4B	1¼B	2 1/16	9/16	6 3/16	5	1¼ x ¼	350	25
C-704-A-1-1/2B	1½B	2 7/16	9/16	6 5/16	5	1½ x 1¼	600	25
C-704-A-2B	2B	2 7/16	9/16	7 3/16	5	1½ x ¼	600	25
C-704-A-2-1/2B	2½B	2 11/16	9/16	7 7/16	5	1½ x ¼	600	25
C-704-A-3B	3B	3	9/16	7¾	5	1½ x ¼	600	25
C-704-A-3-1/2B	3½B	3¼	9/16	8	5	1½ x ¼	600	25
C-704-A-4B	4B	3½	9/16	8¼	5	1½ x ¼	600	25
C-704-A-5B	5B	4 3/16	9/16	10	6¼	2 x ¼	700	10
C-704-A-6B	6B	4 11/16	9/16	11	7	2 x ¼	700	10

Standard Finish – GoldGalv®, unless otherwise stated.

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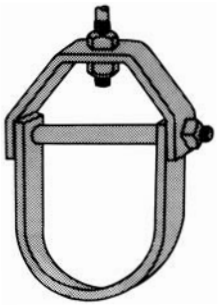
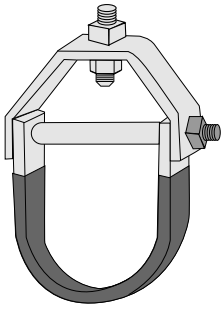
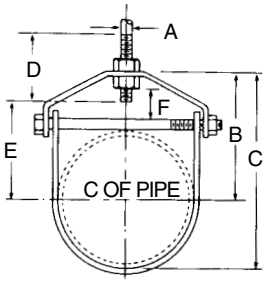
Pipe Hangers



Standard/Light Duty Clevis Hanger-Black or GoldGalv® brand. Standard Clevis Hanger also available in Stainless Steel.



Plastic Coated



C-710 – Adjustable Clevis Hanger

Standard Finishes - GoldGalv® brand, Black (B)

Complies with Federal Spec. WW-H-17 1 E and MSS SP-69, Type 1

C-710P – Plastic Coated Adjustable Clevis Hanger

Standard Finish - GoldGalv® brand

Plastic coated. Isolates hanger from glass and other piping for corrosion or cushioning purposes.

C-710SS – Stainless Steel Adjustable Clevis Hanger

Finish - Stainless Steel

Type 304. Order by Cat. No., finish and pipe size.

Cat. No.	Pipe Size	Size of Steel Upper	Size of Steel Lower	A	B	C	D	E	F	Max Rec. Load lbs.	Std. Ctn.
C-710-1/2	½	⅛ x 1	⅛ x 1	⅜	1 11/16	2⅛	2½	⅞	7/16	610	100
C-710-3/4	¾	⅛ x 1	⅛ x 1	⅜	1⅞	2 7/16	2½	1	½	610	100
C-710-1	1	⅛ x 1	⅛ x 1	⅜	2⅛	2 13/16	2½	1¼	⅝	610	100
C-710-1-1/4	1¼	⅛ x 1	⅛ x 1	⅜	2 9/16	3 7/16	2½	1¾	⅞	610	100
C-710-1-1/2	1½	⅛ x 1	⅛ x 1	⅜	3	4	2½	2⅛	1 1/16	610	100
C-710-2	2	⅛ x 1	⅛ x 1	⅜	3 11/16	4⅞	2½	2 15/16	1⅝	610	50
C-710-2-1/2	2½	⅜ x 1¼	3/16 x 1¼	½	4 11/16	6⅛	3	3 13/16	2	1130	50
C-710-3	3	⅜ x 1¼	3/16 x 1¼	½	4¾	6 9/16	3	3⅞	1¾	1130	25
C-710-3-1/2	3½	⅜ x 1¼	3/16 x 1¼	½	4 15/16	6 15/16	3	4 1/16	1¾	1130	25
C-710-4	4	¼ x 1¼	3/16 x 1¼	⅝	5 9/16	7 13/16	3½	4½	1 15/16	1130	25
C-710-5	5	¼ x 1¼	3/16 x 1¼	⅝	6 3/16	9	3½	5⅛	1¾	1430	25
C-710-6	6	¼ x 1½	3/16 x 1½	¾	6 3/16	10⅛	4	5⅝	1⅞	1430	10
C-710-7	7	¼ x 1¾	3/16 x 1¾	¾	8½	12⅛	4¼	6½	2¼	1940	1
C-710-8	8	¼ x 1¾	3/16 x 1¾	⅞	8 5/16	12⅝	4¼	7	2⅛	1940	1
C-710-10	10	⅜ x 1¾	¼ x 1¾	⅞	9⅞	15¼	4½	8⅜	2¼	1940	1
C-710-12	12	⅜ x 2	¼ x 2	⅞	11 3/16	17 9/16	4¾	9¾	2⅝	3600	1
C-710-14	14	½ x 2½	¼ x 2½	1	12 7/16	19 7/16	5¼	10 13/16	2 15/16	3800	1
C-710-16	16	½ x 2½	¼ x 2½	1	15	23	6	12 7/16	2⅝	4200	1
C-710-18	18	½ x 2½	¼ x 2½	1⅛	15¼	24¼	6½	13 15/16	3¾	4600	1
C-710-20	20	⅝ x 3	⅜ x 3	1¼	16¾	26¾	7	13 15/16	4	4800	1
C-710-24	24	⅝ x 3	⅜ x 3	1¼	19	31	7½	17½	4¼	4800	1
C-710-30	30	¾ x 3	⅜ x 3	1¼	24⅛	39⅛	8¼	21⅞	5	6000	1

Order by Cat. No., finish, and pipe size.

Standard Finish – GoldGalv®, unless otherwise stated.

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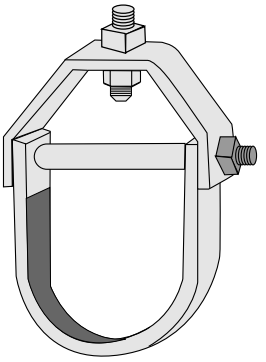
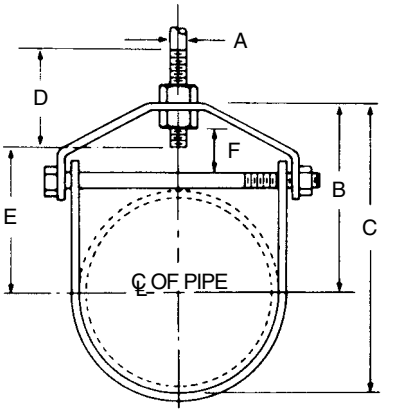


Felt Lined



Pipe Hangers

C-710F – Felt Lined Adjustable Clevis Hanger

Standard Finish - GoldGalv® brand

Order by Cat. No., finish and pipe size.

Cat. No.	Pipe Size	Size of Steel Upper	Size of Steel Lower	A	B	C	D	E	F	Max Rec. Load lbs.	Std. Ctn.
C-710F-1/2	½	⅛ x 1	⅛ x 1	⅜	1 1⁄16	2⅛	2½	⅞	9⁄16	610	25
C-710F-3/4	¾	⅛ x 1	⅛ x 1	⅜	1⅞	2 7⁄16	2½	1	½	610	25
C-710F-1	1	⅛ x 1	⅛ x 1	⅜	2⅛	2 13⁄16	2½	1¼	⅝	610	25
C-710F-1-1/4	1¼	⅛ x 1	⅛ x 1	⅜	2 9⁄16	3 7⁄16	2½	1¾	⅞	610	25
C-710F-1-1/2	1½	⅛ x 1	⅛ x 1	⅜	3	4	2½	2⅛	1 1⁄16	610	25
C-710F-2	2	⅛ x 1	⅛ x 1	⅜	3 1⁄16	4⅞	2½	2 5⁄16	1⅝	610	25
C-710F-2-1/2	2½	3⁄16 x 1¼	3⁄16 x 1¼	½	4 1⁄16	6⅛	3	3 13⁄16	2	1130	25
C-710F-3	3	3⁄16 x 1¼	3⁄16 x 1¼	½	4¾	6 9⁄16	3	3⅞	1¾	1130	25
C-710F-3-1/2	3½	3⁄16 x 1¼	3⁄16 x 1¼	½	4 15⁄16	6 15⁄16	3	4 1⁄16	1¾	1130	10
C-710F-4	4	¼ x 1¼	3⁄16 x 1¼	⅝	5 9⁄16	7 13⁄16	3½	4½	1 15⁄16	1430	10
C-710F-5	5	¼ x 1¼	3⁄16 x 1¼	⅝	6 3⁄16	9	3½	5⅛	1¾	1430	10
C-710F-6	6	¼ x 1½	3⁄16 x 1½	¾	6 3⁄16	10⅛	4	5⅝	1⅞	1940	10
C-710F-7	7	¼ x 1¾	3⁄16 x 1¾	¾	8½	12⅛	4¼	6½	2¼	1940	10
C-710F-8	8	¼ x 1¾	3⁄16 x 1¾	⅞	8 5⁄16	12⅝	4¼	7	2⅛	1940	100
C-710F-10	10	⅜ x 1¾	¼ x 1¾	⅞	9⅞	15¼	4½	8⅜	2¼	3600	1
C-710F-12	12	⅜ x 2	¼ x 2	⅞	11 3⁄16	17 9⁄16	4¾	9¾	2⅝	3800	1
C-710F-14	14	½ x 2½	¼ x 2½	1	12 7⁄16	19 7⁄16	5¼	10 13⁄16	2 15⁄16	4200	1
C-710F-16	16	½ x 2½	¼ x 2½	1	15	23	6	12 7⁄16	2⅝	4600	1
C-710F-18	18	½ x 2½	¼ x 2½	1⅛	15¼	24¼	6½	13 15⁄16	3¾	4800	1
C-710F-20	20	⅝ x 3	⅜ x 3	1¼	16¾	26¾	7	13 15⁄16	4	4800	1
C-710F-24	24	⅝ x 3	⅜ x 3	1¼	19	31	7½	17½	4¼	4800	1
C-710F-30	30	¾ x 3	⅜ x 3	1¼	24⅛	39⅛	8¼	21⅞	5	6000	1

If ordering C-710F felt lined hangers for pipe size 3½" or under, order the next largest size to allow for the thickness of the felt lining.

Standard Finish – GoldGalv®, unless otherwise stated.

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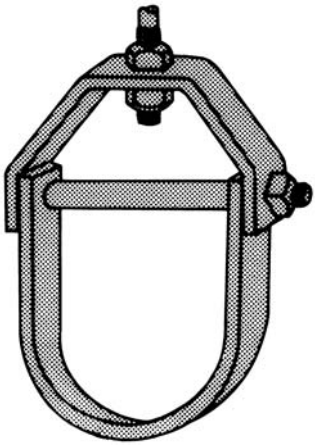

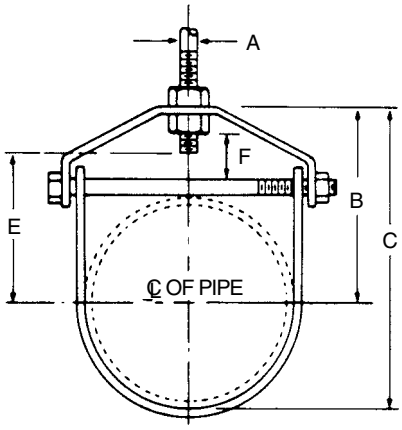

Pipe Hangers

CL-710 – Light Duty Adjustable Clevis Hanger

Standard Finishes - GoldGalv® brand, Black (B)

Carbon Steel

Used on non-insulated, stationary pipe lines. A lock nut above the clevis yoke is required for full rated load. Complies with Federal Spec. WW-H-171E and MSS SP-69, Type 12. Order by Cat. No. and pipe size.

Cat. No.	Pipe Size	Size of Steel		A	B	C	D	E	F	Max Rec. Load lbs.	Std. Ctn.
		Upper	Lower								
CL-710-3/8	⅜	16 ga x ⅞	16 ga x 7⅞	⅜	1⅞	2⅜6	2½	1¼	9⁄16	150	100
CL-710-1/2	½	16 ga x ⅞	16 ga x ⅞	⅜	1¾	2⅜6	2½	1⅛	9⁄16	150	100
CL-710-3/4	¾	16 ga x ⅞	16 ga x ⅞	⅜	1⅞	2¼	2½	1¼	½	250	100
CL-710-1	1	16 ga x 7⅞	16 ga x ⅞	⅜	2⅜6	2¾	2½	1½	¾	250	100
CL-710-1-1/4	1¼	16 ga x 7⅞	16 ga x ⅞	⅜	2⅝	3⅜	2½	1¾	1	250	100
CL-710-1-1/2	1½	13 ga x ⅞	13 ga x ⅞	⅜	3	3⅞	2½	2¼	1⅜6	250	100
CL-710-2	2	13 ga x ⅞	13 ga x ⅞	⅜	3⅜6	4¾	2½	2⅜6	1⅝	250	100
CL-710-2-1/2	2½	⅛ x 1¼	⅛ x 1¼	½	4	5½	3	3¼	1⅜	350	50
CL-710-3	3	⅛ x 1¼	⅛ x 1¼	½	4⅜6	6½	3	3⅜6	1½	350	25
CL-710-3-1/2	3½	⅛ x 1¼	⅛ x 1¼	½	5	7	3	4⅛	1¾	350	10
CL-710-4	4	⅜6 x 1¼	⅛ x 1¼	½	5¼	7½	3½	4¼	1⅞	400	25

Standard Finish – GoldGalv®, unless otherwise stated.

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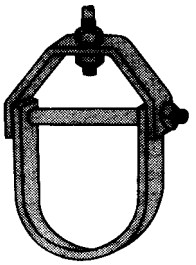
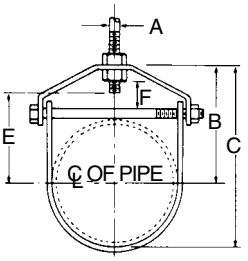




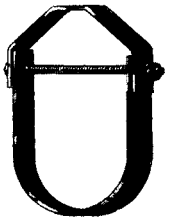
CTL-710 – Copper Plated Light Duty Clevis Hanger

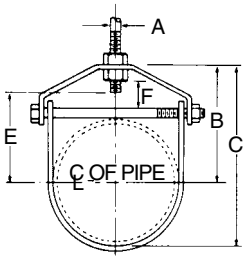
Standard Finish Copper Plated

Carbon Steel

For non-insulated copper tubing. Provide a lock nut above the clevis yoke to assure full rated load. Complies with Federal Spec. WW-H-171E and MSS SP-69, Type 12. Order by Cat. No., tubing size.

Cat. No.	Tubing Size	Material Size	A	B	C	E	F	Std. Ctn.
CTL-710-1/2	½	16 ga x ⅞	⅜	1 13/16	2 3/16	1¼	9/16	100
CTL-710-3/4	¾	16 ga x ⅞	⅜	1¾	2¼	1¼	9/16	100
CTL-710-1	1	16 ga x ⅞	⅜	1⅝	2 5/16	1⅛	½	100
CTL-710-1-1/4	1¼	16 ga x ⅞	⅜	2	2¾	1⅛	11/16	100
CTL-710-1-1/2	1½	16 ga x ⅞	⅜	2⅜	3⅛	1¼	1	100
CTL-710-2	2	13 ga x ⅞	⅜	2 11/16	4	1½	1 1/16	100
CTL-710-2-1/2	2½	⅛ x 1¼	½	3¼	4 11/16	2	1⅛	50
CTL-710-3	3	⅛ x 1¼	½	3½	5 3/16	2¼	1 3/16	50
CTL-710-3-1/2	3½	⅛ x 1¼	½	3¾	5 11/16	2½	1⅛	10
CTL-710-4	4	⅛ x 1¼	½	4 5/16	6½	3	1 3/16	25
CTL-710-5	5	3/16 x 1¼	⅝	5	7 11/16	3⅜	1 3/16	10
CTL-710-6	6	3/16 x 1¼	⅝	5 11/16	8⅞	4⅛	1¼	10





ETL-710 – Light Duty Clevis Hanger

Standard Finish GoldGalv®

Carbon Steel
Copper Tube Sized.

For the suspension of stationary copper tubing lines. Order by Cat. No., tubing size.

C at. No.	Tubing Size	Material Size	A	B	C	E	F	Std. Ctn.
ETL-710-1/2	½	16 ga x ⅞	⅜	1 13/16	2 3/16	1¼	9/16	100
ETL-710-3/4	¾	16 ga x ⅞	⅜	1¾	2¼	1¼	9/16	100
ETL-710-1	1	16 ga x ⅞	⅜	1⅝	2 5/16	1⅛	½	100
ETL-710-1-1/4	1¼	16 ga x ⅞	⅜	2	2¾	1⅛	11/16	100
ETL-710-1-1/2	1½	16 ga x ⅞	⅜	2⅜	3⅛	1¼	1	100
ETL-710-2	2	13 ga x ⅞	⅜	2 11/16	4	1½	1 1/16	100
ETL-710-2-1/2	2½	⅛ x 1¼	½	3¼	4 11/16	2	1⅛	100
ETL-710-3	3	⅛ x 1¼	½	3½	5 3/16	2¼	1 3/16	100
ETL-710-3-1/2	3½	⅛ x 1¼	½	3¾	5 11/16	2½	1⅛	100
ETL-710-4	4	⅛ x 1¼	½	4 5/16	6½	3	1 3/16	100
ETL-710-5	5	3/16 x 1¼	⅝	5	7 11/16	3⅜	1 3/16	50
ETL-710-6	6	3/16 x 1¼	⅝	5 11/16	8⅞	4⅛	1¼	50

Standard Finish – GoldGalv®, unless otherwise stated.

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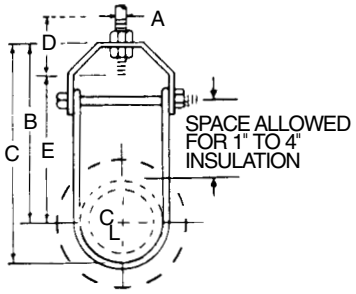
CX-710 – Clevis Hanger with Extended Bottom

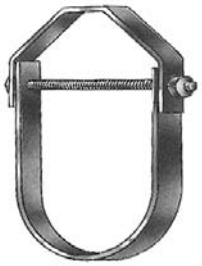


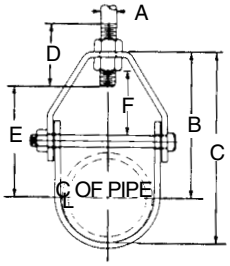
Standard Finish – Black (B) Steel

Where contractor is permitted to cover both pipe and hanger, the additional depth of bottom yoke will eliminate any interference between insulation and cross bolt. Specify size, catalog number and finish.

Cat. No.	Hanger Size	A	B	C	D	E**	Max Rec. Load lbs.	Std. Ctn.
CX-710-3/4B	¾B	⅜	3⅝	4¼	2½	2⅞	610	50
CX-710-1B	1B	⅜	4	4 1⁄16	2½	3¼	610	50
CX-710-1-1/4B	1¼B	⅜	4 7⁄16	5¼	2½	3⅝	610	50
CX-710-1-1/2B	1½B	⅜	4¾	5¾	2½	4 1⁄16	610	50
CX-710-2B	2B	⅜	7 7⁄16	8 1⁄16	2½	6½	610	25
CX-710-2-1/2B	2½B	½	8 7⁄16	9 5⁄16	3	7½	1130	25
CX-710-3B	3B	½	8⅝	10 5⁄16	3	7 9⁄16	1130	20
CX-710-4B	4B	⅝	9⅜	11⅝	3½	8 3⁄16	1430	10
CX-710-5B	5B	⅝	9⅞	12⅝	3½	8¾	1430	10
CX-710-6B	6B	¾	10⅝	14	4	9⅜	1940	10
CX-710-8B	8B	⅞	12⅜	16¾	4¼	11	2000	10
CX-710-10B	10B	⅞	13¾	19 3⁄16	4½	12¼	3600	1
CX-710-12B	12B	⅞	15⅛	21 9⁄16	4¾	13⅝	3800	1

**Rod Take-Out.
¾" – 1½" pipe size designed for 2" insulation
2" – 12" pipe size designed for 2" insulation





CI-710 – Adjustable Clevis for Cast Iron Pipe

Standard Finish Black (B)

Carbon Steel

Recommended for the suspension of cast iron pipe. Size ranging from 4 through 24 inch cast iron pipe. Specify pipe size, catalog number and name.

Cat. No.	Pipe Size	Size of Steel Upper	Size of Steel Lower	A	B	C	D	E	Adjustment F	Max. Rec. Load lbs.	Std. Ctn.
CI-710-4B	4B	¼ x 1¼	3⁄16 x 1¼	⅝	5 1⁄16	8 3⁄16	3½	4 13⁄16	1⅝	223	25
CI-710-6B	6B	¼ x 1½	3⁄16 x 1½	¾	7	10½	3½	5¾	1¾	355	10
CI-710-8B	8B	¼ x 1¾	3⁄16 x 1¾	⅞	8⅜	13	4	7	1¾	517	1
CI-710-10B	10B	⅜ x 1¾	3⁄16 x 1¾	⅞	10⅛	15¾	4½	8⅝	2¼	813	1
CI-710-12B	12B	⅜ x 2	¼ x 2	⅞	10½	17¼	3½	9	2¼	1300	1
CI-710-14B	14B	½ x 2	¼ x 2	1	13½	21½	5	11¾	2½	1757	1
CI-710-16B	16B	½ x 2½	¼ x 2½	1	15¼	24¼	6	13½	3⅜	2480	1
CI-710-18B	18B	½ x 2½	¼ x 2½	1	16¾	26¾	6	14⅞	3⅜	2975	1
CI-710-20B	20B	⅝ x 3	⅜ x 3	1¼	18½	29¾	7	16¾	3¾	4900	1
CI-710-24B	24B	⅝ x 3	⅜ x 3	1¼	20¾	34	7	18⅝	4	5660	1

Standard Finish – GoldGalv®, unless otherwise stated.

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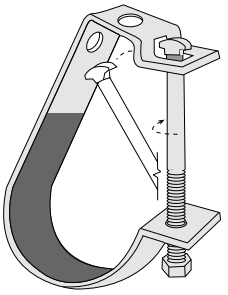
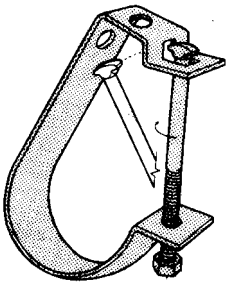
Pipe Hangers



Felt Lined



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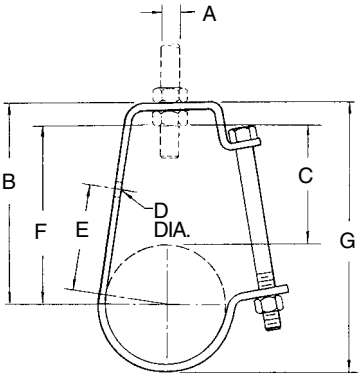

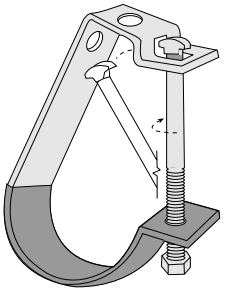

Plastic Coated

C-711 – "J" Pipe Hanger

Standard Finish GoldGalv® brand

Complies with Specification MSS SP 58, Type 5. Sizes through 5" conform to Ca. Code Title 24, Div. T22 for Seismic restraint bracing.

C-711F – Felt Lined "J" Pipe Hanger

Standard Finish - GoldGalv® brand

Available in sizes up to 8".

C-711P – Plastic Coated "J" Pipe Hanger

Standard Finish GoldGalv® brand

Isolates hanger from glass and other piping for corrosion or cushioning purposes. Available in sizes up to 4". Order by Cat. No. and pipe size. Hole provided for side mounting to wall as bracket.

Cat. No.	Pipe Size	A Rod Size	B	C	D	E	F	Bolt Size	G	Stock Size	Max. Rec. Loads lbs.	Std. Ctn.
C-711-1/2	½	⅜	2⅝	1¾	7⁄16	1½	1 15⁄16	¼	3 5⁄32	12 ga x ¾	400	50
C-711-3/4	¾	⅜	2⅞	1⅞	7⁄16	1 11⁄16	2⅛	¼	3½	12 ga x ¾	400	50
C-711-1	1	⅜	2 15⁄16	1 15⁄16	7⁄16	1 13⁄16	2 5⁄16	¼	3 11⁄16	12 ga x ¾	400	50
C-711-1-1/4	1¼	⅜	3¼	2	7⁄16	2 1⁄16	2⅝	¼	4⅛	12 ga x ¾	400	50
C-711-1-1/2	1½	⅜	3 9⁄16	2 3⁄16	7⁄16	2 7⁄16	2⅞	¼	4⅝	12 ga x ¾	400	50
C-711-2	2	⅜	3 11⁄16	2⅛	7⁄16	2 9⁄16	3 1⁄16	¼	5	12 ga x ¾	400	50
C-711-2-1/2	2½	½	4 7⁄16	2 7⁄16	9⁄16	3 3⁄16	3⅝	⅜	6	12 ga x 1¼	500	25
C-711-3	3	½	4 13⁄16	2 9⁄16	9⁄16	3½	4 1⁄16	⅜	6 21⁄32	12 ga x 1¼	500	25
C-711-3-1/2	3½	½	5⅛	2⅝	9⁄16	3¾	4⅜	⅜	7 5⁄16	3⁄16 x 1¼	500	25
C-711-4	4	⅝	6⅛	3 3⁄16	9⁄16	4⅝	5 3⁄16	⅜	8 9⁄16	3⁄16 x 1¼	550	10
C-711-5	5	⅝	6¾	3¼	9⁄16	5 1⁄16	5⅜	⅜	9 23⁄32	3⁄16 x 1¼	550	10
C-711-6	6*	¾	7¾	3 9⁄16	9⁄16	5 13⁄16	6⅝	⅜	11¼	3⁄16 x 1¾	600	10
C-711-8	8*	⅞	9 3⁄16	3 15⁄16	9⁄16	6 15⁄16	8	⅜	13 11⁄16	3⁄16 x 1¾	760	8

*Hangers 6" and over have hole instead of slot.

Standard Finish – GoldGalv®, unless otherwise stated.

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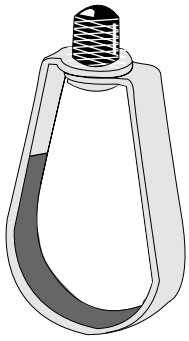
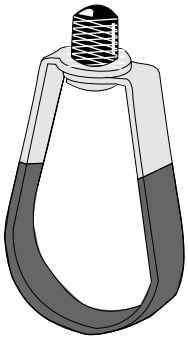
Pipe Hangers



Felt Lined



Plastic Coated

C-727 – Adjustable Ring

Standard Finishes - Pre-Galvanized (PG) Stainless Steel

Carbon steel. For suspension of non-insulated pipe lines. Complies with Federal Spec. WW-H-171E and MSS SP-69, Type 10. Order by Cat. No. pipe size.

C-727F – Felt Lined Adjustable Ring

Standard Finish - Pre-Galvanized (PG)

Available in sizes ½" through 6."

May be used for suspending non-insulated copper tubing.

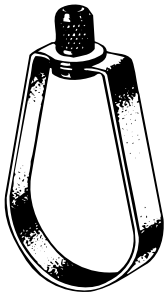
C-727NFPA – National Fire Protection Agency Code

Standard Finish - Pre-Galvanized (PG)

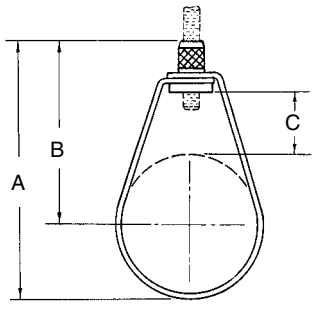
Approved for sprinkler systems by the National Fire Protection Agency. Sizes 2½" through 8".

C-727P – Plastic Coated Adjustable Ring

Standard Finish - Pre-Galvanized (PG)



Standard/NFPA



Cat. No.	Tube Size	Rod Size	A	B	C	Stock Size	Max. Rec. Load lbs.	Std. Ctn.
C-727-1/2	½	⅜	3⅛	2⅝	1⅜	16 ga x 1	400	100
C-727-3/4	¾	⅜	3⅛	2½	1⅛	16 ga x 1	400	100
C-727-1	1	⅜	3⅜	2⅝	1⅛	16 ga x 1	400	100
C-727-1-1/4	1¼	⅜	3¾	2⅞	1⅛	16 ga x 1	400	100
C-727-1-1/2	1½	⅜	3⅞	2⅞	1	16 ga x 1	400	100
C-727-2	2	⅜	4¼	3	1	16 ga x 1	400	100
C-727-2-1/2	2½	½*	5¾	4¼	1⅝	14 ga x 1 3/16	600	50
C-727-3	3	½*	6	4⅛	1¼	14 ga x 1 3/16	600	50
C-727-3-1/2	3½	½*	7⅜	5¼	2⅛	14 ga x 1 3/16	600	50
C-727-4	4	⅝*	7⅜	5	2⅝	14 ga x 1¼	1000	20
C-727-5	5	⅝**	9	6⅛	2¼	12 ga x 1¼	1250	25
C-727-6	6	¾**	9⅜	6½	1⅞	12 ga x 1¼	1250	20

*⅜" nut is used when NFPA rod sizing is requested.
**½" nut is used when NFPA rod sizing is requested.

Thomas&Betts

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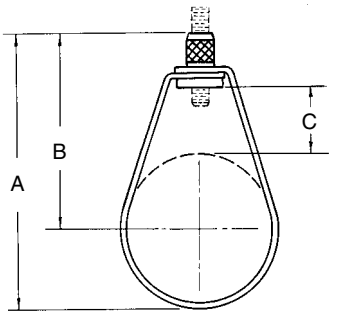
Pipe Hangers

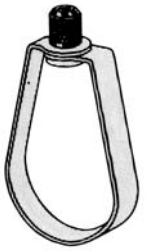
CT-727 Copper Plated Adjustable Ring

Standard Finish - Copper Plated
Carbon steel. For suspension of non-insulated copper tubing.
Complies with Federal Spec. WW-H-171E and MSS SP-69, Type 10.
Order by Cat. No., & nominal tubing size.



Cat. No.	Tubing Size	Rod Size	A	B	C	Stock Size	Max Rec. Load lbs.	Std. Ctn.
CT-727-1/2	½	⅜	3⅛	2¾	1½	16 ga x ⅝	400	100
CT-727-3/4	¾	⅜	3⅛	2⅝	1¼	16 ga x ⅝	400	100
CT-727-1	1	⅜	3⅛	2½	1	16 ga x ⅝	400	100
CT-727-1-1/4	1¼	⅜	3¼	2½	1	16 ga x ⅝	400	100
CT-727-1-1/2	1½	⅜	3⅞	3	1¼	16 ga x ⅝	400	100
CT-727-2	2	⅜	4½	3⅜	1½	16 ga x ⅝	400	100
CT-727-2-1/2	2½	⅜*	5½	4⅜	2	14 ga x 1⅜₁₆	600	50
CT-727-3	3	½	6⅜	4¾	2	14 ga x 1⅜₁₆	600	50
CT-727-3-1/2	3½	½	6⅜	4½	1½	14 ga x 1⅜₁₆	600	50
CT-727-4	4	½*	7⅜	5¼	2	14 ga x 1¼	1250	25
CT-727-5	5	⅝	8⅜	5¾	2	12 ga x 1¼	1250	10
CT-727-6	6	⅝	9½	6⅜	1⅛	12 ga x 1¼	1250	25

2½" CT filled with water weighs less than 2" IP filled with water, 4" CT less than 3½" IP with water.
2½" CT available with ½" thread and 4" CT available with ⅝" thread for Government Specs.



ET-727 Copper Sized Adjustable Ring

Standard Finish - GoldGalv® Barrier for separation of disimilar metals.
Available in sizes ½" through 2". Sized for Copper Tubing.

Cat. No.	Tubing Size	Rod Size	A	B	C	Stock Size	Max Rec. Load lbs.	Std. Ctn.
ET-727-1/2	½	⅜	3⅛	2¾	1½	16 ga x ⅝	400	100
ET-727-3/4	¾	⅜	3⅛	2⅝	1¼	16 ga x ⅝	400	100
ET-727-1	1	⅜	3⅛	2½	1	16 ga x ⅝	400	100
ET-727-1-1/4	1¼	⅜	3¼	2½	1	16 ga x ⅝	400	100
ET-727-1-1/2	1½	⅜	3⅞	3	1¼	16 ga x ⅝	400	100
ET-727-2	2	⅜	4½	3⅜	1½	16 ga x ⅝	400	100
ET-727-2-1/2	2½	⅜*	5½	4⅜	2	14 ga x 1⅜₁₆	600	100
ET-727-3	3	½	6⅜	4¾	2	14 ga x 1⅜₁₆	600	100
ET-727-3-1/2	3½	½	6⅜	4½	1½	14 ga x 1⅜₁₆	600	50
ET-727-4	4	½*	7⅜	5¼	2	14 ga x 1¼	1250	100
ET-727-5	5	⅝	8⅜	5¾	2	12 ga x 1¼	1250	25
ET-727-6	6	⅝	9½	6⅜	1⅛	12 ga x 1¼	1250	25

2½" CT filled with water weighs less than 2" IP filled with water, 4" CT less than 3½" IP with water.
2½" CT available with ½" thread and 4" CT available with ⅝" thread for Government Specs.

Standard Finish – GoldGalv®, unless otherwise stated.

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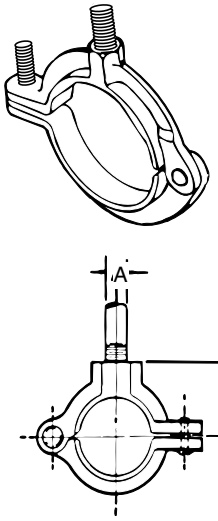
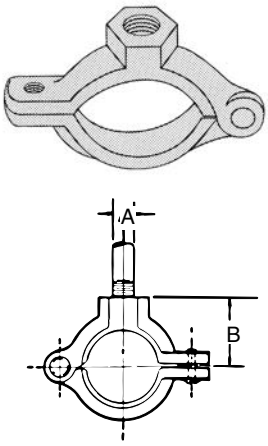


M-718 Split Pipe Ring

Standard Finish - Black (B) or EG (Silver)

Malleable iron for suspension of non-insulated, stationary pipe lines.

Cat. No.	Pipe Size	A	B	Max Rec. Load lbs.	Std. Ctn.
M-718-3/8	3/8	3/8	13/16	180	100
M-718-1/2	1/2	3/8	7/8	180	100
M-718-3/4	3/4	3/8	1	180	100
M-718-1	1	3/8	1 1/8	180	100
M-718-1-1/4	1 1/4	3/8	1 5/16	180	100
M-718-1-1/2	1 1/2	3/8	1 7/16	180	50
M-718-2	2	3/8	1 11/16	180	50
M-718-2-1/2	2 1/2	1/2	2 1/8	300	50
M-718-3	3	1/2	2 7/16	300	50
M-718-4	4	1/2	2 15/16	300	25



MT-718 Split Pipe Ring – Epoxy Painted

Standard Finish - Copper-Colored Epoxy Paint

Complies with Federal Spec. WW-H-171-c, Type 25.

Cat. No.	Pipe Size	A	B	Load Rating lbs.	Std. Ctn.
MT-718-1/4	1/4	3/8	1/2	180	100
MT-718-3/8	3/8	3/8	5/8	180	25
MT-718-1/2	1/2	3/8	5/8	180	100
MT-718-3/4	3/4	3/8	3/4	180	100
MT-718-1	1	3/8	7/8	180	100
MT-718-1-1/4	1 1/4	3/8	1	180	100
MT-718-1-1/2	1 1/2	3/8	1 1/4	180	100
MT-718-2	2	3/8	1 1/2	180	100
MT-718-2-1/2	2 1/2	1/2	1 7/8	480	50
MT-718-3	3	1/2	2 1/8	480	50
MT-718-4	4	1/2	2 15/16	480	25

Order by Cat. No., pipe size, finish if other than standard color.

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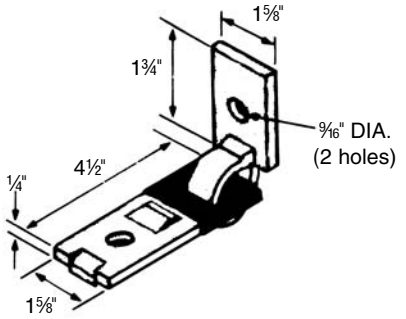
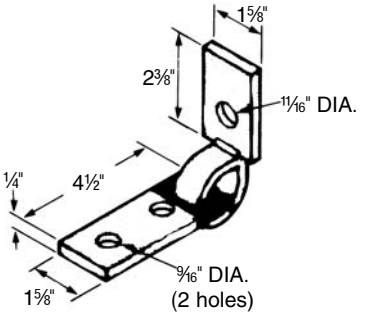
Pipe Straps, Pipe Clamps & Hangers (Series 700/105)

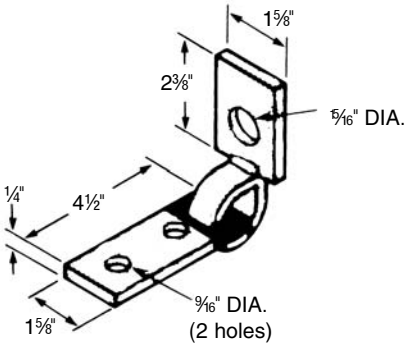
Seismic Bracing (Consult Superstrut® Seismic Hanger Bulletin for Additional Information)



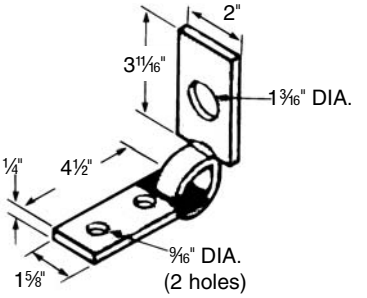
C-749-N
Seismic Brace
1500 lb load safety factor 3



C-749-N-5/8
Seismic Brace
1650 lb load safety factor 3



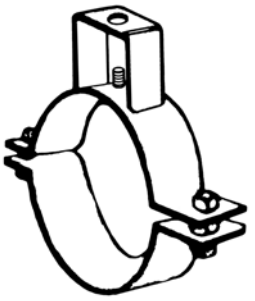
C-749-N-7/8
Seismic Brace
1650 lb load safety factor 3



C-749-N-1-1/8
Seismic Brace
1650 lb load safety factor 3

ES-142
Size: ½" x 1¼"
Bolt Size: ½"
Seismic bracing rod stiffener connector

All braces have plastisol coating on the flat member. Plastisol insulates against vibration noise transmission and eliminates rattle at the connection points.



S-720 – Adjustable Pipe Hanger

Standard Finish-GoldGalv® brand

Approved for seismic applications.

Cat. No.	Pipe Size	Rod Size	Adjust-ment	Bolt Centers	Stock Size	Bolt Size	Design Load	Std. Ctn.
S-720-3/4	¾	⅜	1⅝	4½	3/16 x 1¼	½ - 1¼	550	10
S-720-1	1	⅜	1½	4½	3/16 x 1¼	½ - 1¼	550	10
S-720-1-1/4	1¼	⅜	1⅜	5	3/16 x 1¼	½ - 1¼	550	10
S-720-1-1/2	1½	⅜	1½	4½	3/16 x 1¼	½ - 1¼	550	10
S-720-2	2	⅜	1½	5	¼ x 1¼	½ - 1¼	700	10
S-720-2-1/2	2½	½	2⅛	5⅜	¼ x 1¼	½ - 1¼	700	10
S-720-3	3	½	2¼	6¼	¼ x 1¼	½ - 1¼	1100	10
S-720-3-1/2	3½	½	2¼	6¾	¼ x 1¼	½ - 1¼	1100	10
S-720-4	4	½	2¼	7¼	¼ x 1¼	½ - 1¼	1300	10
S-720-5	5	⅝	2¼	8½	¼ x 1½	⅝ - 1½	1600	10
S-720-6	6	⅝	2¼	9½	¼ x 1½	⅝ - 1½	1600	5
S-720-8	8	¾	2⅛	11½	¼ x 2	¾ - 2	2000	5

Standard Finish – GoldGalv®, unless otherwise stated.

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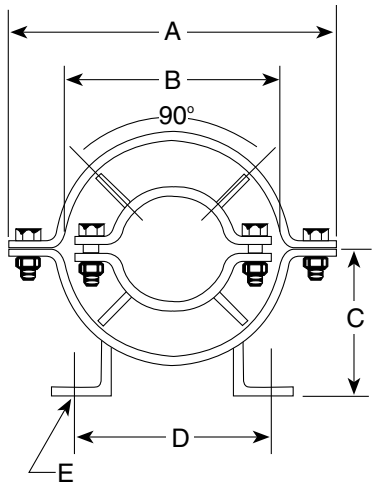
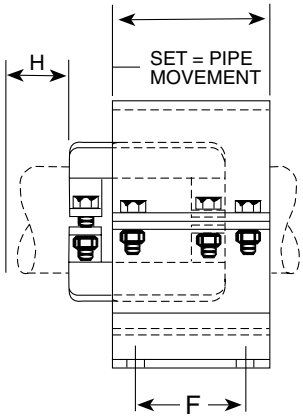
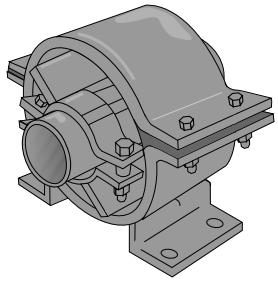
Pipe Straps, Pipe Clamps & Hangers (Series 700/105)





Insulation Thickness Table

Product Designation	Insulation Thickness	For Pipe Sizes
T1	1	½ - 24
T2	1½	½ - 24
T3	2	½ - 24
T4	2½	½ - 24
T5	3	½ - 24
T6	3½	½ - 24
T7	4	½ - 24



Pipe Alignment Guide

PG-794

Standard Finish - Red Primer

Carbon Steel. Guide size is based on pipe size and insulation thickness (see Insulation Thickness Table). Temperature @ 750°F.

Cat. No	Body Size	A	B	C	D	E Hole Size	F	G	H	Std. Ctn.
1	1	9½	7 1⁄16	4	5⅜	½	2½	4	8	1
2	2	11¼	8¼	4½	5¾	½	2½	4	8	1
3	3	12¾	10¾	6	7	½	4	6	10	1
4	4	15½	13¼	7½	8 5⁄16	⅝	4	6	10	1
5	5	17½	15½	8½	8¾	⅝	5	8	12	1
6	6	18⅜	17	9¼	11 1⁄16	¾	5	8	12	1
7	7	20½	18⅜	10⅛	12	¾	5	8	12	1
8	8	22⅜	20¼	11	13¼	¾	5	8	12	1
9	9	24	22¼	12	13 9⁄16	⅞	5	8	12	1
10	10	28	26	13¾	15¼	⅞	5	8	12	1
11	11	30	28	14¾	15¾	⅞	5	8	12	1
12	12	34	31½	16¼	18¾	1	5	8	12	1
13	13	38	35½	18¼	19½	1	5	8	12	1

Note: All units shipped unassembled to save field labor.
Note: All weld joints double welded entire length of joint, equal to material thickness.
Construction: Rugged steel spider clamps to pipe. Spider slides within a heavy steel collar which restricts lateral and angular movement yet allows free axial pipe travel.
Guide Specification Table: Locate bare pipe size under pipe size column and read across under insulation thickness to determine proper guide size.

Order by Cat. No., insulation thickness (T1 through T7), and pipe size.

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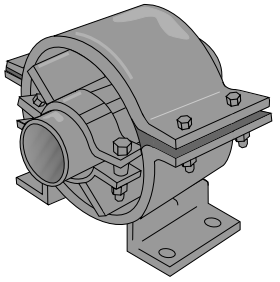


Pipe Alignment Guide (Continued)

Guide Size Selection Table

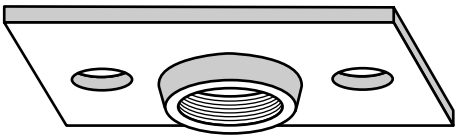
Pipe Size	J – Insulation Thickness 0	1	1½	2	2½	3	4	Std. Ctn.
1	1	1	1	2	3	3	4	1
1¼	1	1	2	3	3	4	4	1
1½	1	1	2	3	3	4	5	1
2	1	1	2	3	3	4	5	1
2½	1	2	3	3	4	4	5	1
3	2	2	3	3	4	4	5	1
3½	3	3	3	4	4	5	6	1
4	3	3	3	4	4	5	6	1
5	4	4	4	4	5	5	7	1
6	4	4	4	5	5	6	7	1
8	6	6	6	6	7	7	8	1
10	8	8	8	8	8	8	9	1
12	9	9	9	9	9	9	10	1
14	10	10	10	10	10	10	10	1
16	10	10	10	10	10	10	11	1
18	11	11	11	11	11	11	12	1
20	12	12	12	12	12	12	12	1
24	13	13	13	13	13	13	13	1

Recommended Expansion Joint Guide Spacing

Accessories

M-742-R Ceiling Flange

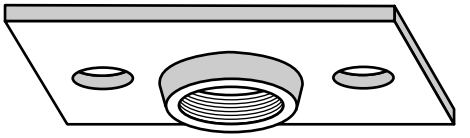
Standard Finish - Black (B) or EG (Silver)



M-742-R
Rod Sizes: ⅜" & ½"

MT-742-R Ceiling Flange

Standard Finish - Copper-Colored Epoxy Paint



MT-742-R
Rod Sizes: ⅜" & ½"

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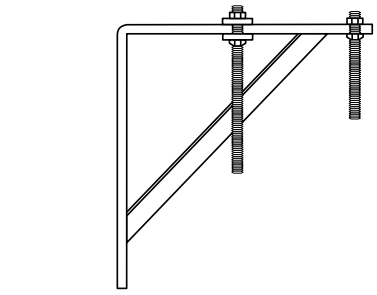
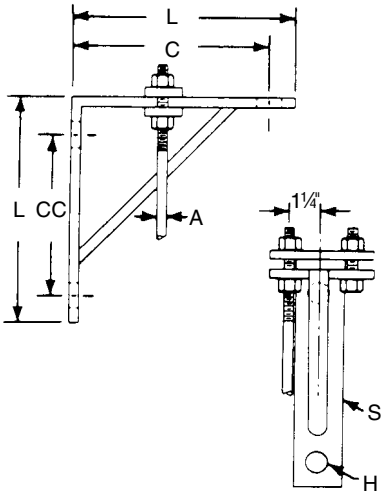




Accessories

C-736 – Light Welded Steel Bracket

Standard finish - Black (B)

Carbon steel.

Cat. No.	Bracket Size	Holes B	Holes C-C	Holes H	Holes L	Stock Size S	Std. Ctn.
C-736-1B	1B	8	6½	13⁄16	9	2 x 3⁄8	1
C-736-2B	2B	12	10½	13⁄16	13	2 x 3⁄8	1
C-736-3B	3B	18	16½	13⁄16	19	2 x 3⁄8	1

C-736 – Side Clip

Cat. No.	Clip Number	Pipe Size	Rod Size A	Std. Ctn.
C-736-1	1	¾ to 2	3⁄8	1
C-736-2	2	2½ to 3½	½	1

Ends of brackets are drilled to take rods up to ¾". Complies with Fed. Spec. WW-H-171c, Type 32. Order by Cat. No., Bracket #, finish.

Used for the support of pipe loads up to 750 lbs. per bracket.

C-739H – Heavy Welded Steel Bracket

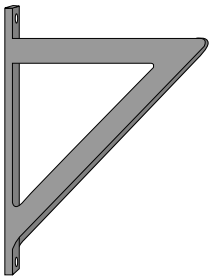
Standard finish - Black (B)

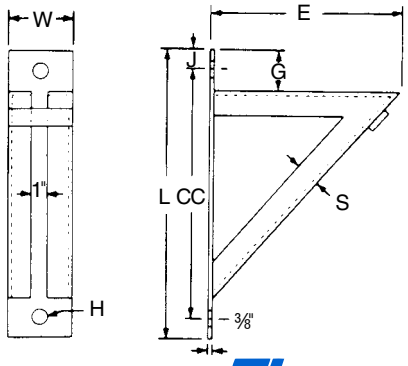
Carbon Steel

A back plate should be used when bolted to wall. Complies with Fed. Spec. WW-H-171c, Type 34. Order by Cat. No., Bracket #, and finish.

Cat. No.	Size	C-C	E	F	G	H	J	L	Angle Size S	W	Std. Ctn.
C-739H-1B	1B	15¼	12	One Hole	2¾	13⁄16	1½	18	2 x 1½ x ¼	4	1
C-739H-2B	2B	21⅜	18	2¾	2¾	15⁄16	1⅜	24	2 x 2 x ¼	5	1
C-739H-3B	3B	27½	24	2½	2¾	1 1⁄16	1¼	30	2½ x 2 x 5⁄16	5	1
C-739H-4B	4B	33¼	30	2½	3	1 1⁄16	1½	36	2½ x 2 x 5⁄16	5	1
C-739H-5B	5B	39	36	3½	3	1 1⁄16	1½	42	3½ x 2½ x 3⁄8	6	1
C-739H-6B	6B	46	42	3½	3½	1 1⁄16	2	50	3½ x 2½ x 3⁄8	6	1

Used for the support of pipe loads up to 3000 lbs. per bracket.





Standard Finish – GoldGalv®, unless otherwise stated.

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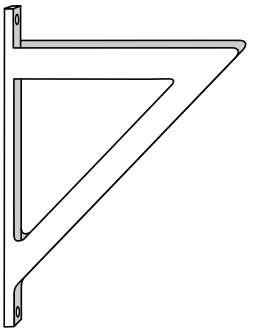
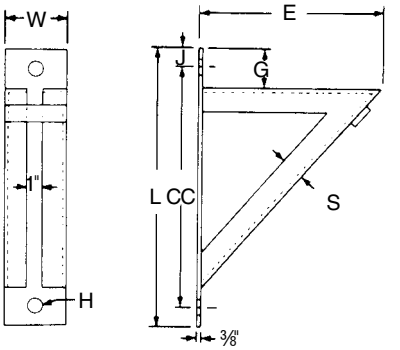
Accessories





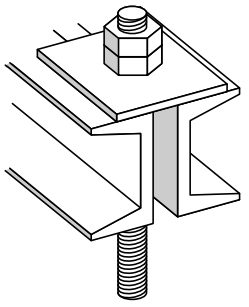
C-739M – Medium Welded Steel Bracket

Standard finish - Black (B)

Carbon steel. Used with a back plate against wall. Complies with Fed. Spec. WW-H-171c, Type 33. Order by Cat. No., Bracket #, and finish.

Cat. No.	Size	C-C	E	G	H	J	L	Angle Size S	W	Std. Ctn.
C-739M-1B	1B	15½	12	2½	13⁄16	1¼	18	1½ x 1½ x 3⁄16	4	1
C-739M-2B	2B	21½	18	2½	13⁄16	1¼	24	1¾ x 1¾ x 3⁄16	4½	1
C-739M-3B	3B	27½	24	2½	13⁄16	1¼	30	2 x 2 x ¼	5	1

Used for the support of pipe loads up to 1500 lbs. per bracket.



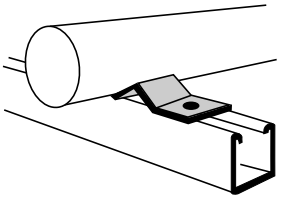
C-781 – Steel Washer Plate

Standard Finish - Black(B)

Carbon Steel

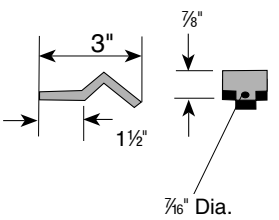
Cat. No.	Rod Size	Stock Size	Std. Ctn.
C-781-3/8B	3⁄8B	3 x 3 x 3⁄16	50
C-781-3/4B	¾B	3 x 3 x 3⁄16	1
C-781-5/8B	5⁄8B	3 x 3 x ¼	1
C-781-3/4B	¾B	3 x 3 x ¼	1
C-781-7/8B	7⁄8B	4 x 4 x 3⁄8	1
C-781-1B	1B	4 x 4 x 3⁄8	1

Also available in stainless steel.



PG-795 – Pipe Block

Standard Finish - Black (B)



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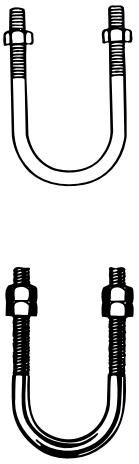
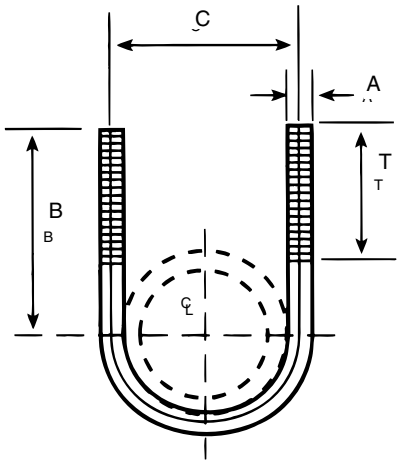
Accessories

Sizes through 4" furnished with one hex nut per leg. Sizes 5" and above furnished with two hex nuts per leg. Complies with Fed. Spec. WW-H-171-E and MSS SP-69, Type 24. Order by Cat. No., pipe size and finish.





H-115 – Standard U-Bolt

Standard Finishes-GoldGalv® brand,Stainless Steel (SS) or Black (B)

Complies with
Fed. Spec. WW-H-171E and MSS SP-69, Type 24.
Order by Cat. No., pipe size, finish.

Cat. No.	Pipe Size	A	B	C	D	E	Design Load	Std. Ctn.
H-115-1/2	½	15/16	1¾	1½	5/16	2¾	1500	50
H-115-3/4	¾	1⅛	1¾	1⅝	5/16	3 1/16	2000	100
H-115-1	1	1⅜	1⅞	1⅝	5/16	3 5/16	2500	100
H-115-1-1/4	1¼	1 23/32	1¾	1 15/32	5/16	3½	2500	100
H-115-1-1/2	1½	2	1¾	1 7/16	5/16	3¾	2500	50
H-115-2	2	2 7/16	2 1/16	1⅞	⅜	4 11/16	3300	50
H-115-2-1/2	2½	2 15/16	2 1/16	1 13/16	⅜	5⅛	4000	50
H-115-3	3	3 9/16	2	1¾	⅜	5 11/16	4000	50
H-115-3-1/2	3½	4 3/32	2	1 23/32	⅜	6 3/16	4000	25
H-115-4	4	4 19/32	2¼	1 29/32	⅜	6 15/16	4000	25
H-115-5	5	5⅜	3	2 5/32	½	8 5/16	4000	25
H-115-6	6	6¾	3¾	2 13/16	⅝	10⅛	4000	10
H-115-8	8	8¾	3¾	2 13/16	⅝	12⅛	4000	10
H-115-10	10	10⅞	4	3	¾	14 9/16	5400	5
H-115-12	12	12⅞	4¼	3¼	⅞	16 15/16	7500	1
H-115-14	14	Consult Factory						
H-115-16	16	Consult Factory						
H-115-18	18	Consult Factory						
H-115-20	20	Consult Factory						
H-115-24	24	Consult Factory						
H-115-30	30	Consult Factory						
H-115-36	36	Consult Factory						

Standard Finish – GoldGalv®, unless otherwise stated.

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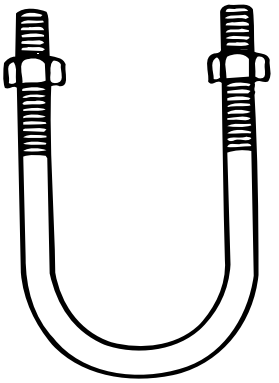
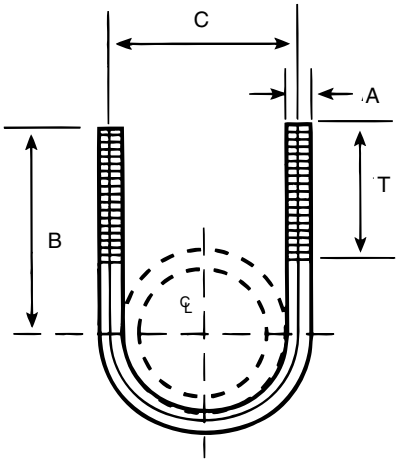
Accessories





HL-115 – Light Weight U-Bolt with Two Hex Nuts

Standard Finishes - GoldGalv® brand or Black (B)

Carbon steel and two steel hex nuts. For supporting or anchoring relatively light loads. Maximum temperature - 650°F. Oversized hex nuts must be used on Hot Dipped Galvanized U-Bolts. Order by Cat. No., pipe size, finish.

Cat. No.	Pipe Size	A	B	C	T	Design Load, lbs.	Std. Ctn.
HL-115-1/2	½	¼	1 15/16	1	¾	485	100
HL-115-3/4	¾	¼	2 1/16	1 3/8	1¾	485	100
HL-115-1	1	¼	2 3/16	1 5/8	1¾	485	100
HL-115-1-1/4	1¼	¼	2 3/8	1 15/16	1¾	485	50
HL-115-1-1/2	1½	¼	2 7/16	2¼	1¾	485	50
HL-115-2	2	¼	2 11/16	2 11/16	1¾	485	50
HL-115-2-1/2	2½	⅜	3 1/16	3 5/16	2	1220	50
HL-115-3	3	⅜	3 3/8	3 15/16	2	1220	25
HL-115-3-1/2	3½	⅜	3 5/8	4 7/16	2	1220	25
HL-115-4	4	⅜	3 7/8	4 15/16	2	1220	10
HL-115-5	5	⅜	4 9/16	6	2¼	1220	10
HL-115-6	6	½	5 1/16	7¼	2¼	2260	10
HL-115-8	8		Consult Factory				
HL-115-10	10		Consult Factory				

Standard Finish – GoldGalv®, unless otherwise stated.

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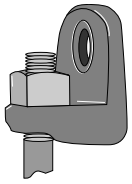
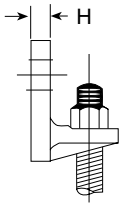
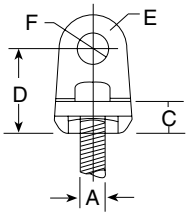
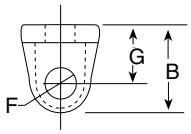
Beam Attachments









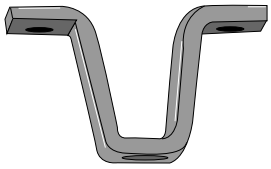
M-750 – Side Beam Bracket

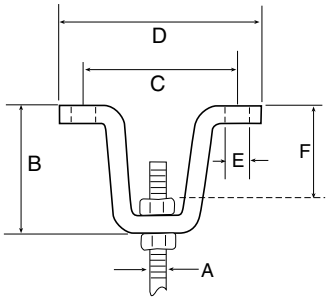
Standard Finish - Black (B)

Malleable Iron

Complies with Fed. Spec. WW-H-171c, Type 35. Order by Cat. No., rod size.

Cat. No.	Rod Size A	Pipe Size	B	C	D	E	F	G	H	Std. Ctn.
M-750-3/8B	⅜B	¾ - 2	⅜	⅝	1 7⁄16	17⁄32	7⁄16	⅞	¼	50
M-750-1/2B	½B	2½ - 3½	1 13⁄16	¾	1⅞	21⁄32	9⁄16	1 3⁄16	11⁄32	100





C-747 – Adjustable Beam Attachment

Standard Finish - Black (B)

For attachment to timber with coach screws or to the bottom of beams with bolts. Order by Cat. No., rod size.

Cat. No.	Rod Size A	Hole Size	B	C	D	E	F	Stock Size	Design Load	Std. Ctn.
C-747-3/8B	⅜B	7⁄16	2¾	3⅞	4⅞	7⁄16	2⅛	¼ x 1¼	610	50
C-747-1/2B	½B	9⁄16	3⅛	4¾	6	9⁄16	2 5⁄16	⅜ x 1½	1130	50
C-747-5/8B	⅝B	11⁄16	3⅛	4¾	6	9⁄16	2 3⁄16	⅜ x 1½	1810	50
C-747-3/4B	¾B	13⁄16	3 11⁄16	6¼	7¾	11⁄16	2 9⁄16	½ x 2	2710	50
C-747-7/8B	⅞B	15⁄16	3¾	6⅜	8¼	13⁄16	2½	½ x 2	3770	50

Standard Finish – GoldGalv®, unless otherwise stated.

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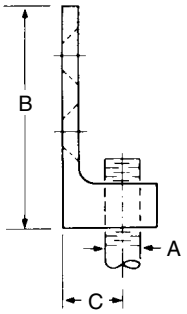


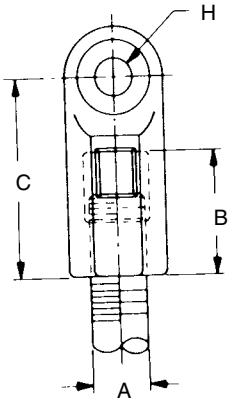
Beam Attachments

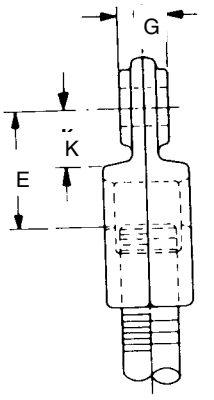
M-762 – Side Beam Connector

Standard Finish - Black (B)

Malleable iron for mounting to side of wood beams using E-151-D drive screw. Bottom hole is tapped for rod. Specify rod size, Cat. No. and finish.

Cat. No.	Size No.	A	B	C	Max Rec. Load lbs.	Std. Ctn.
M-762-1	1	⅜	2⅜	9⁄16	250	100
M-762-2	2	½	2¾	¾	480	100





M-129 – Extension Piece

Standard Finish - Black (B)

Malleable iron. Recommended for attachment of hanger rod to various types of structure attachments. Specify rod size, Cat. No. and finish.

Cat. No.	Rod Tapping Size, A	Pipe Size	B	C	Rod Take-Out E	G	H	K	Max Rec. Load lbs.	Std. Ctn.
M-129-3/8B	⅜B	¾ - 2	1¼	2 1⁄16	1¼	½	½	9⁄16	610	100
M-129-1/2B	½B	2½ - 3½	1⅜	2 5⁄16	1⅜	⅝	½	11⁄16	1130	100
M-129-5/8B	⅝B	4 - 5	1½	2 7⁄16	1 7⁄16	⅝	½	¾	1810	50
M-129-3/4B	¾B	6	1¾	2⅞	1 11⁄16	⅝	½	⅞	2710	50
M-129-7/8B	⅞B	8 - 12	1⅞	3	1¾	¾	9⁄16	⅞	2950	50

*With a minimum safety factor of 5 at maximum temperature of 450°.

Standard Finish – GoldGalv®, unless otherwise stated.

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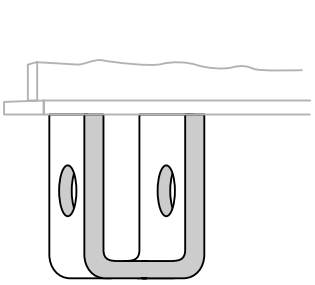
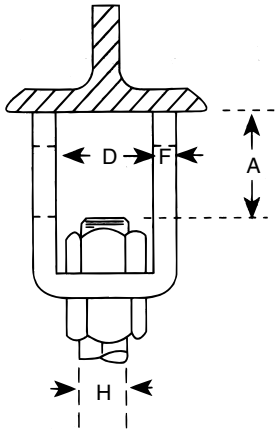
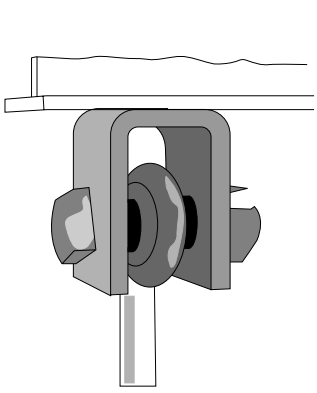
Beam Attachments

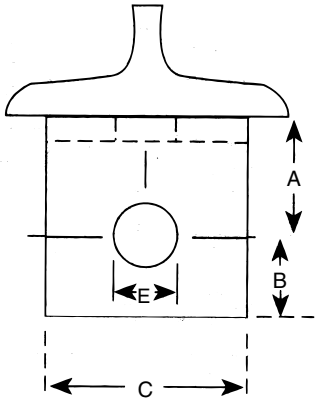


C-780
(Without Hardware)





C-780 W/HW
(With Hardware)



C-780 W/HWB – Welded Beam Attachment With Hardware (Bolt and Nut)
C-780 W/OB – Welded Beam Attachment Without Hardware (Bolt and Nut)

Standard Finish - Black (B)

Carbon steel. Used as illustrated or used in the inverted position with rod and nut.

Complies with Fed. Spec. WW-H-171c, Type 22. To order, select Cat. No. from table below, and add W/OB if hardware is not required, and W/HWB if hardware is required.

Cat. No.	Rod Size	Bolt Size	Rod Takeout A	Rod Takeout A*	B	C	D	E	F	Max Rec. Load lbs. 650°	Max Rec. Load lbs. 750°	Std. Ctn.
C-780-3/8	3/8	1/2 x 2 3/4	1 7/8	2	7/8	2	1 1/2	9/16	1/4	610	510	5
C-780-1/2	1/2	5/8 x 2 3/4	1 3/4	2	7/8	2	1 1/2	11/16	1/4	1130	940	5
C-780-5/8	5/8	3/4 x 3	1 3/4	2	7/8	2	1 1/2	13/16	1/4	1810	1510	5
C-780-3/4	3/4	7/8 x 3 1/2	1 3/4	2	1 1/8	2 1/2	1 1/2	15/16	3/8	2710	2260	1
C-780-7/8	7/8	1 x 4	2 5/8	3	1 1/4	2 1/2	2	1 1/8	3/8	3770	3150	1
C-780-1	1	1 1/8 x 5	2 1/4	3	1 1/2	3	2 3/4	1 1/4	1/2	4960	4150	1
C-780-1-1/4	1/4	1 3/8 x 6 1/2	2 7/8	3	2	4	3 1/4	1 1/2	5/8	8000	6660	1
C-780-1-1/2	1 1/2	1 5/8 x 6 1/2	4	4	2 1/2	5	3 1/2	1 3/4	3/4	11630	970	1
C-780-1-3/4	1 3/4	1 7/8 x 6 7/8	5	5	2 3/4	5	3 3/4	2	3/4	15700	14000	1
C-780-2	2	2 1/4 x 6 7/8	5 1/4	5	3 1/4	6	3 3/4	2 3/8	3/4	20700	18460	1

* 1¼ and larger furnished with pin and cotter pins.

Standard Finish – GoldGalv®, unless otherwise stated.

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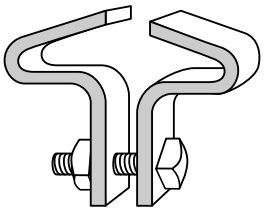
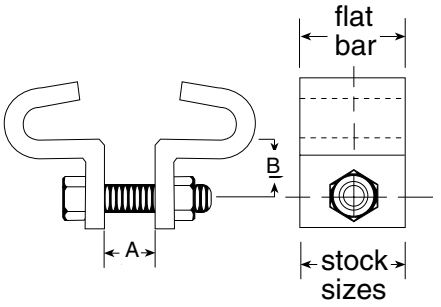




*Selection of Beam Clamp Type (T)

Type	Flange Thickness
T1	5/16"
T2	7/16"
T3	1/2"
T4	5/8"
T5	3/4"
T6	7/8"
T7	1"
T8	1 1/8"

Beam Clamps

C-755 TC-757 T (Heavy Duty) – Standard I-Beam Clamp

Standard Finish - Black (B)

Carbon Steel

For suspending loads from I-Beams with flange widths ranging from 2" to 12".

To order, add the following to the Cat. No. :

- Flange Thickness (T1, T2 etc. See table below)
- Flange Width
- Bolt Width (Dimension A on Drawing)

i.e. C-755 - T2 - 8 - 1/2 B

Cat. No. | 7/16 Flange Thickness | 8" flange Width | ½" Bolt Width | Black Finish

Cat. No.	Type	A	B*	Bolt Size	Width	Stock Size	Design Load	Std. Ctn.
C-755	T2	½	1⅜	⅜	2	¼ x 1¼	1000	1
C-755	T3	½	1⅜	3-8½	3	¼ x 1½	1250	1
C-755	T4	⅝	1⅞	3-8¾	4	⅜ x 1½	1500	1
C-755	T5	¾	2¼	3-8¾	5	½ x 2	3000	1
C-755	T6	¾	2¼	3-8¾	6	½ x 2½	3250	1
C-755	T7	¾	2⅝	3-8¾	7	⅝ x 2½	3500	1
C-755	T8	Consult Factory						1

*Not applicable for type 1 - 2" and type 3 - 2" flange widths.

C-769 Side Beam Clamp

Standard Finish - Black (B)

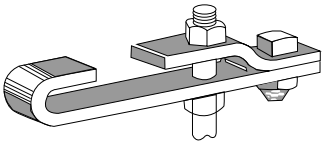
To attach to American Standard “J" Beams and Wide Flange Beams where vertical rod run is desired.

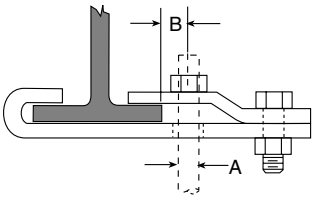
To order, add the following to the Cat. No. :

- Flange Thickness (T1, T2 etc. See table below)
- Flange Width
- Bolt Width (Dimension A on Drawing)

i.e. C-769 - T2 - 8 - 1/2 B

Cat. No. | 7/16 Flange Thickness | 8" flange Width | ½" Bolt Width | Black Finish





Cat. No.	Size No.	A	B	Stock Size	Design Load, lbs.	Std. Ctn.
C-769	T1	⅜	5/16	1¼ x ¼	250	1
C-769	T2	½	5/16	1¼ x ¼	400	1
C-769	T3	⅝	7/16	1½ x ⅜	700	1
C-769	T4	¾	½	2 x ⅜	1000	1
C-769	T5	⅞	9/16	2½ x ½	2000	1

Standard Finish – GoldGalv®, unless otherwise stated.

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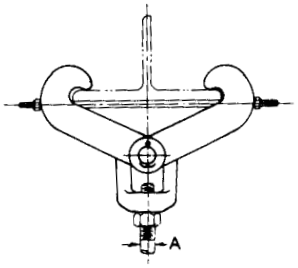
Beam Clamps

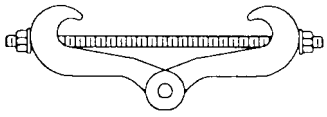


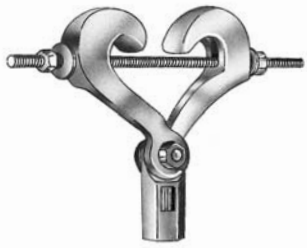
M-732-H – H Beam Clamp Assembly

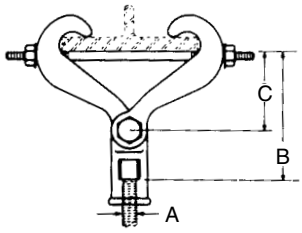
Clamps are made of steel, weldless eye nuts of forged steel to ASTM-A 235 Class C. Clamping effect is by “ice tong" action of arms with locking provided by the thru bolt located directly below the flange.

Cat. No.	Size	Flange Size Width	Flange Size Thickness	Max. Rod Size A	Std. Ctn.
M-732-H-Size1B	1	3-8	5/8	3/4	1
M-732-H-Size2B	2*	7-12	5/8	3/4	1
M-732-H-Size3B	3	3-8	3/4	1	1
M-732-H-Size4B	4*	7-15	3/4	1	1
M-732-H-Size5B	5	5-11	1	1 1/2	1
M-732-H-Size6B	6*	8-16	1	1 1/2	1

*Supplied with links.







M-732 – Malleable Beam Clamp Without Extension Piece
M-732 – Ext (with M-129) Malleable Beam Clamp With Extension Piece

Standard Finish - Black (B)

Malleable iron and steel. Recommended for attachment to bottom flange of I-Beams and wide flange beams where flange widths are from 2" minimum to 7" maximum and flange thickness does not exceed .60".

Cat. No.	Max. Rod Size A	Rod Take-out For Width of Beam Flange 2 3/8	3	4	5	6	7	Bolt Dia	Max Rec. Load lbs.	Std. Ctn.
M-732-3/8B	3/8	4 3/4	4 11/16	4 9/16	4 3/16	3 13/16	3 1/8	7/16	610	1
M-732-1/2B	1/2	4 7/8	4 13/16	4 11/16	4 5/16	3 15/16	3 1/4	7/16	1130	1
M-732-5/8B	5/8	4 15/16	4 7/8	4 3/4	4 3/8	4	3 5/16	7/16	1365	1
M-732-3/4B	3/4	4 3/16	5 1/8	5	4 5/8	4 1/4	3 9/16	7/16	1365	1
M-732-7/8B	7/8	5 1/4	5 3/16	5 1/16	4 11/16	4 5/16	3 5/8	7/16	1365	1

Standard Finish – GoldGalv®, unless otherwise stated.

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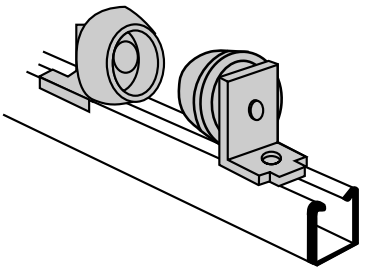
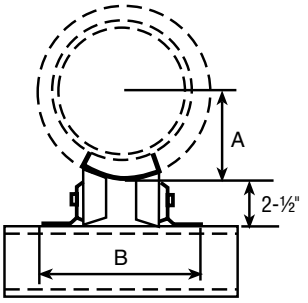
Rollers, Shields and Saddles





C-728-Pipe Roller (Pair)

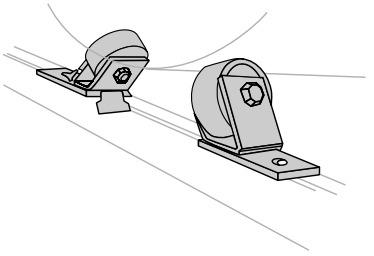
Cast aluminum rollers, steel brackets.

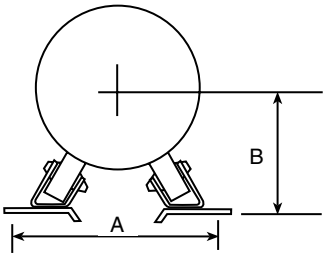
Designed for standard saddles.

Order separately for each pair of rollers:
Two ½" x 5⁄16" hex head cap screws
Two ½" channel nuts

Space to fit O.D. of pipe and wrapping.

Cat. No.	A Max OS Radius	B	Design Load	Std. Ctn.
C-728	3-⅜	6-¾	2350	5
	4-⅝	7-½	2350	5
	6-⅜	8-½	2350	5
	8-½	9-9⁄16	2350	5





C-728-H-Pipe Roller Assembly (Pair)

Cast aluminum roller, steel brackets. Order separately for each pair of rollers:

Two ½" x 5⁄16" hex head cap screws
Two ½" channel nuts

Space to fit O.D. pipe. For support of 6" through 18" pipe.

Cat. No.	Pipe Size	A	B	Design Load	Std. Ctn.
C-728-H-6	6	10 13⁄16	6 9⁄16	3920	5
C-728-H-8	8	11 13⁄16	7⅜	3920	5
C-728-H-10	10	12⅞	8 5⁄16	3920	5
C-728-H-12	12	13⅞	9 3⁄16	3920	5
C-728-H-14	14	14½	9¾	3920	5
C-728-H-16	16	15½	10⅝	3920	5
C-728-H-18	18	16½	11 7⁄16	3920	5

Standard Finish – GoldGalv®, unless otherwise stated.

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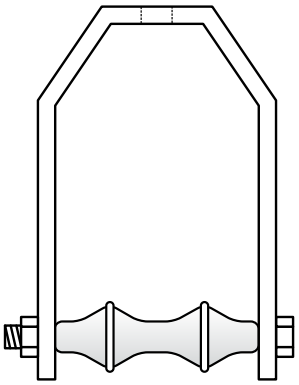
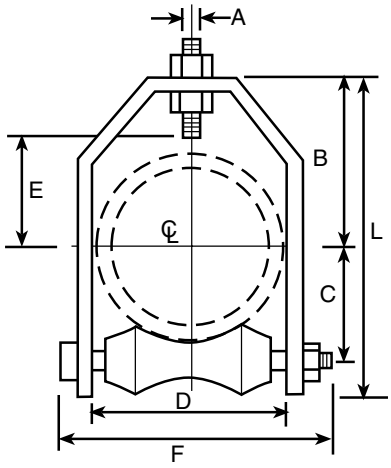
Rollers, Shields and Saddles





C-729 – Adjustable Steel Yoke Pipe Roll

Standard Finishes - GoldGalv®, Black (B)

Cast iron roll, carbon steel yoke and roll rod. Provides longitudinal movement due to expansion and contraction. Hanger must be oversized when pipe is insulated. Complies with Federal Spec. WW-H-171E and MSS SP-69, Type 44.

Cat. No.	Pipe Size	Max Rec. A	Std. B	Std. C	D	E	F	L	Load lbs.	Std. Ctn.
C-729-2B	2	½	4	1⅝	2⅝	3	4¼	6½	480	10
C-729-2-1/2B	2½	½	3⅞	2	3⅜	2¾	4¾	6⅝	530	10
C-729-3B	3	½	4⅜	2¼	3¾	3⅜	5½	7¼	560	1
C-729-3-1/2B	3½	½	4⅝	2½	4¼	3⅝	6	8	600	10
C-729-4B	4	⅝	4¾	2¾	4⅞	3¾	6½	8½	600	1
C-729-5B	5	⅝	5⅞	3⅜	5⅞	4¼	8	9⅞	600	1
C-729-6B	6	¾	5⅞	4	7	4¼	9	11⅜	860	1
C-729-7B	7	¾	6½	4⅝	8	5	10	12	860	1
C-729-8B	8	⅞	7¼	5⅛	9	5½	12	13¾	1080	1
C-729-10B	10	⅞	9	6⅜	11	6⅞	14¼	17	1385	1
C-729-12B	12	⅞	9⅝	7⅜	13	7⅞	17	18⅞	1920	1
C-729-14B	14	1	11¼	8⅜	14¼	9¼	18½	21⅞	2520	1
C-729-16B	16	1	12¼	9⅜	16¼	10¼	20	24⅛	3180	1
C-729-18B	18	1	13¼	10½	18¼	11¼	22	26½	3360	1
C-729-20B	20	1	14¼	11⅝	20¼	12¼	24	28⅛	3640	1

Standard Finish – GoldGalv®, unless otherwise stated.

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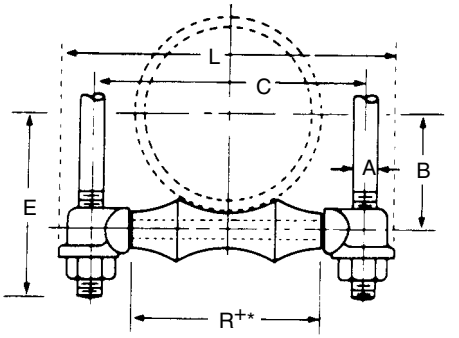
Rollers, Shields and Saddles



RC-729A – Adjustable Two-Rod Roller Hanger

Standard Finish - Black (B)

Electro-galvanized or painted to order. Cast iron socket and roller. Carbon steel cross rod. For suspension of pipe where longitudinal movement due to expansion and contraction may occur. Specify pipe size, Cat. No. and finish.

Cat. No.	Pipe Size	A	B	C	E**	L	Max Rec. Load lbs.	Std. Ctn.
RC-729A-1	1	3/8	1 1/16	3	2 5/8	4 1/8	600	1
RC-729A-1-1/4	1 1/4	3/8	1 1/4	3 3/8	2 13/16	4 1/2	600	1
RC-729A-1-1/2	1 1/2	3/8	1 3/8	3 5/8	2 15/16	4 3/4	600	1
RC-729A-2	2	3/8	1 5/8	4 1/8	3 3/16	5 1/4	600	1
RC-729A-2-1/2	2 1/2	1/2	1 15/16	4 7/8	3 3/8	6 1/4	660	1
RC-729A-3	3	1/2	2 1/4	5 1/2	3 15/16	6 7/8	700	1
RC-729A-3-1/2	3 1/2	1/2	2 9/16	6 1/8	4 5/16	7 1/2	750	1
RC-729A-4	4	1/2	2 13/16	6 3/4	4 13/16	8 1/4	750	1
RC-729A-5	5	5/8	3 7/16	8 1/16	5 9/16	9 11/16	750	1
RC-729A-6	6	3/4	4	9 9/16	6 1/2	11 7/16	1070	1
RC-729A-7	7	3/4	4 11/16	10 3/4	6 3/16	12 1/2	1100	1
RC-729A-8B	8B	7/8	5 1/8	11 15/16	8	14 1/16	1350	1
RC-729A-10B	10B	7/8	6 3/8	14 1/16	9 1/4	16 3/16	1730	1
RC-729A-12B	12B	7/8	7 7/16	16 5/16	10 7/16	17 15/16	2400	1
RC-729A-14B	14B	1	8 3/8	17 3/4	12 1/8	20 1/8	3130	10
RC-729A-16B	16B	1	9 7/16	19 3/4	12 15/16	22 1/8	3970	1
RC-729A-18B	18B	1	10 1/2	21 7/8	14 1/4	24 1/2	4200	1
RC-729A-20B	20B	1 1/4	11 5/8	24 1/4	15 3/4	27 1/4	4550	1
RC-729A-24B	24B	1 1/2	14	28 5/8	18 3/4	32 1/8	6160	1
RC-729A-30B	30B	1 1/2	17 7/16	35 1/2	22 7/8	39	7290	1

See dimensional data above
Minimum safety factor of 5. **Rod Take-Out. R+* = O.D. of Pipe Plus 1/4".

Standard Finish – GoldGalv®, unless otherwise stated.

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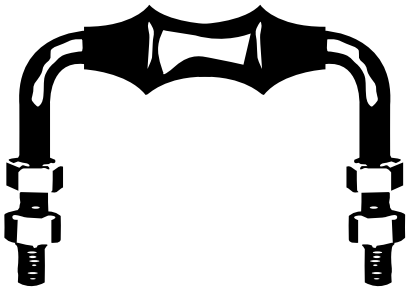
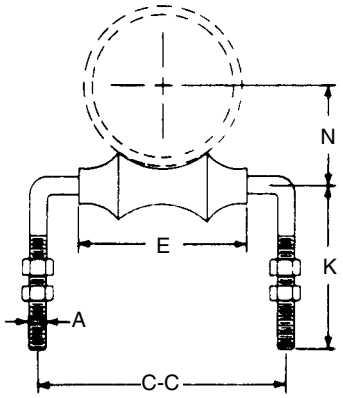
Rollers, Shields and Saddles





CR-729 – Roller Support

Standard Finish - Black (B)

Cast iron roll, carbon steel roll rod and hex nuts. Used where vertical adjustment is needed as well as allowance for expansion and contraction.

Cat. No.	Pipe Size	A	C-C	E	K	N	Max Rec. Load lbs.	Std. Ctn.
CR-729-2B	2B	3/8	4 1/2	2 5/8	4 1/2	1 5/8	300	1
CR-729-2-1/2B	2 1/2B	1/2	5	3 1/8	4 1/2	1 15/16	600	1
CR-729-3B	3B	1/2	6 1/8	3 3/4	4 1/2	2 1/4	600	1
CR-729-3-1/2B	3 1/2B	1/2	6 1/2	4 1/4	4 1/2	2 9/16	600	1
CR-729-4B	4B	1/2	7 3/8	4 3/4	4 1/2	2 13/16	700	1
CR-729-5B	5B	5/8	8 1/2	5 13/16	4 1/2	3 7/16	700	1
CR-729-6B	6B	3/4	10	6 7/8	4 1/2	4 1/16	1000	1
CR-729-8B	8B	7/8	12	8 7/8	5 1/4	5 1/8	1300	1
CR-729-10B	10B	7/8	14	11	5 1/2	6 3/8	1700	1
CR-729-12B	12B	7/8	16	13	6	7 5/16	2300	1
CR-729-14B	14B	1	17 1/2	14 1/4	7	8 7/16	3075	1
CR-729-16B	16B	1	19	16 1/4	8	9 1/2	3075	1

Standard Finish – GoldGalv®, unless otherwise stated.

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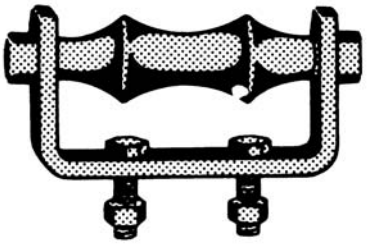
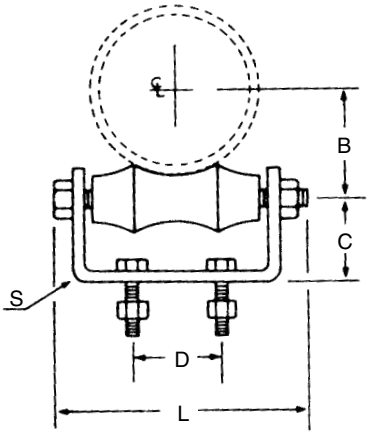
Rollers, Shields and Saddles





CR-729A – Roller Chair

Standard Finishes – GoldGalv®, Black (B)

Cast iron roll, carbon steel chair, roll rod, bolt and hex nuts. Use where longitudinal movement due to expansion and contraction will occur, but where no vertical adjustment is expected. Must be oversized to take insulation. Mounting bolts included.

Cat. No.	Pipe Size	B	C	D	L	S	Max Rec. Load lbs.*	Std. Ctn.
CR-729A-2B	2B	1½	1½	2	3⅞	¼ x 1¼	390	1
CR-729A-2-1/2B	2½B	2	1⅝	2	5	¼ x 1¼	390	1
CR-729A-3B	3B	2¼	1¾	2	5⅜	¼ x 1¼	390	1
CR-729A-3-1/2B	3½B	2½	2	2½	6¼	⅜ x 1½	390	1
CR-729A-4B	4B	2⅞	2¼	2½	6¾	⅜ x 1½	950	1
CR-729A-5B	5B	3⅜	2½	2½	8	⅜ x 1½	950	1
CR-729A-6B	6B	3⅞	2¾	3½	9⅛	⅜ x 2	950	1
CR-729A-7B	7B	4½	2⅞	3½	10¼	⅜ x 2	2100	1
CR-729A-8B	8B	5⅛	3	3½	11½	⅜ x 2	2100	1
CR-729A-10B	10B	6⅜	3⅝	5½	14¼	½ x 2	2100	1
CR-729A-12B	12B	7½	4⅛	5½	16¼	½ x 2	3075	1

*With a minimum safety factor of 5.

Standard Finish – GoldGalv®, unless otherwise stated.

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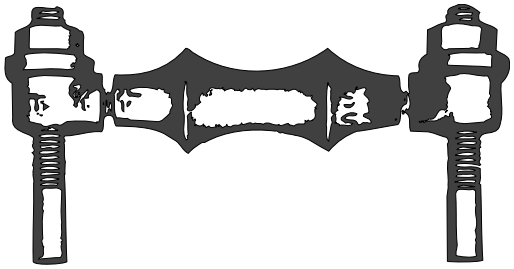
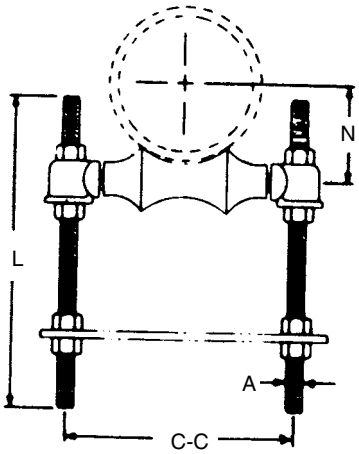
Rollers, Shields and Saddles





RC-729

Standard Finish – Black (B)

Cast Iron roller and sockets. Carbon steel threaded rods. Used to support piping where longitudinal movement due to expansion and contraction may occur, and vertical adjustment up to 6" may be necessary.

Cat. No.	Pipe Size	A*	C-CC	L	N	Std. Ctn.
RC-729-1B	1	3/8	3 3/8	12	1 1/4	1
RC-729-1-1/4B	1 1/4	3/8	3 3/8	12	1 1/4	1
RC-729-1-1/2B	1 1/2	3/8	3 5/8	12	1 3/8	1
RC-729-2B	2	3/8	4 1/8	12	1 9/16	1
RC-729-2-1/2B	2 1/2	1/2	4 7/8	12	1 7/8	1
RC-729-3B	3	1/2	5 1/2	12	2 1/4	1
RC-729-3-1/2B	3 1/2	1/2	6 1/8	12	2 5/16	1
RC-729-4B	4	1/2	6 3/4	12	2 13/16	1
RC-729-5B	5	5/8	8 1/16	12	3 7/16	1
RC-729-6B	6	3/4	9 9/16	12	4 1/16	1
RC-729-8B	8	7/8	11 15/16	12	5 1/8	1
RC-729-10B	10	7/8	14 1/16	12	6 3/8	1
RC-729-12B	12	7/8	16 5/16	12	7 5/16	1
RC-729-14B	14	1	17 3/4	12	8 1/2	1
RC-729-16B	16	1	19 3/4	18	9 1/2	1
RC-729-18B	18	1	21 7/8	18	10 1/2	1
RC-729-20B	20	1 1/4	24 1/4	18	11 5/8	1
RC-729-18B	18	1 1/2	28 5/8	24	14	1
RC-729-20B	20	1 1/2	35 1/2	24	17 7/16	1

Standard Finish – GoldGalv®, unless otherwise stated.

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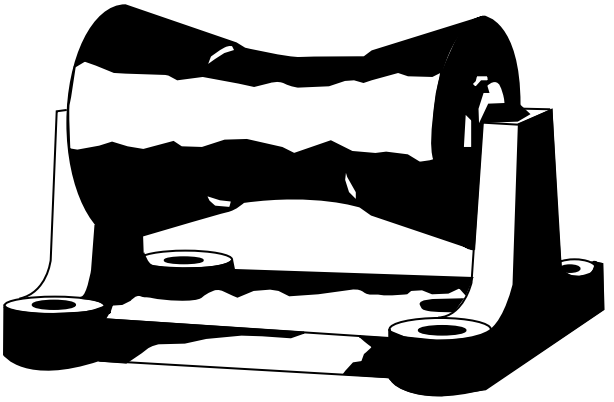
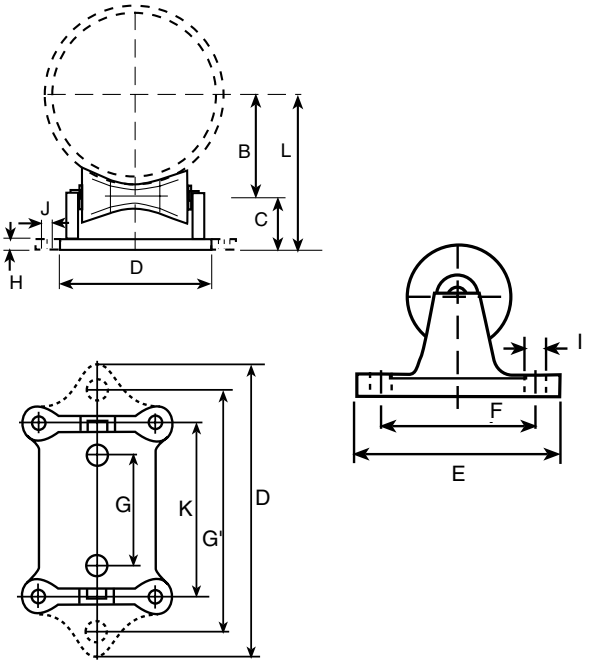
Rollers, Shields and Saddles





C-730C (Discontinued see S-730-C) – Adjustable Pipe Roll Stand

Standard Finish – Black (B)

Cast iron roll and stand, steel rod and adjusting screws. To support pipe lines where vertical adjustment is needed as well as allowance for axial expansion and contraction. Complies with Fed. Spec. WW-H-171c, Type 45. Order by Cat. No. & pipe roll size.

Cat. No.	Pipe Size	B	C	D	E	F	G	G1	H	I	J	K	L	Design Load	Std. Ctn.
C-730C-2B	2B	1¾	1¾	8⅜	5⅜	4	6⅜	6⅜	1¹⁄₁₆	½	1	3⁷⁄₁₆	3½	390	1
C-730C-2-1/2B	2½B	2⅛	1¾	8⅜	5⅜	4	6⅜	6⅜	1¹⁄₁₆	½	1	3⁷⁄₁₆	3⅞	390	1
C-730C-3B	3B	2⅜	1¾	8⅜	5⅜	4	6⅜	6⅜	1¹⁄₁₆	½	1	3⁷⁄₁₆	4⅛	390	1
C-730C-3-1/2B	3½B	2⅝	1¾	8⅜	5⅜	4	6⅜	6⅜	1¹⁄₁₆	½	1	3⁷⁄₁₆	4⅜	390	1
C-730C-4B	4B	2¾	2¹⁄₁₆	9⅞	5⅜	4¼	7⅞	7⅞	⅞	½	1	4¹¹⁄₁₆	4¹³⁄₁₆	950	1
C-730C-5B	5B	3⅜	2¹⁄₁₆	9⅞	5⅜	4¼	7⅞	7⅞	⅞	½	1	4¹¹⁄₁₆	5⁷⁄₁₆	950	1
C-730C-6B	6B	4	2¹⁄₁₆	9⅞	5⅜	4¼	7⅞	7⅞	½	½	1	4¹¹⁄₁₆	6¹⁄₁₆	950	1
C-730C-8B	8B	5¼	3⁷⁄₁₆	8⅝	6⅝	5	4	–	⅞	⅝	1	7	8¹¹⁄₁₆	2100	1
C-730C-10B	10B	6⅜	3⁷⁄₁₆	8⅝	6⅝	5	4	–	⅞	⅝	1	7	9¹³⁄₁₆	2100	1
C-730C-12B	12B	7½	3⅞	11	7⅞	6	5¾	–	⅞	¾	1	9¹⁄₁₆	11⅜	3075	1
C-730C-14B	14B	8⅛	3⅞	11	7⅞	6	5¾	–	⅞	¾	1	9¹⁄₁₆	12	3075	1
C-730C-16B	16B	9⅜	4¼	12⅜	8⅝	6½	6¾	–	1	1³⁄₁₆	1	10¼	13⅝	4980	1
C-730C-18B	18B	10⅜	4¼	12⅜	8⅝	6½	6¾	–	1	1³⁄₁₆	1	10¼	14⅝	4980	1
C-730C-20B	20B	11⅜	4¼	12⅜	8⅝	6½	6¾	–	1	1³⁄₁₆	1	10¼	15⅜	4980	1
C-730C-24B	24B	13⅜	4⅜	13½	8⅝	6½	7½	–	1⅛	1³⁄₁₆	1	11⅜	17¾	6100	1
C-730C-30B	30B	16¾	5⅛	17	10¾	8	10	–	1½	1 1⁄16	1	14¼	21⅞	7500	1
C-730C-36B	36B	Consult Factory													1
C-730C-42B	42B	Consult Factory													1

Standard Finish – GoldGalv®, unless otherwise stated.

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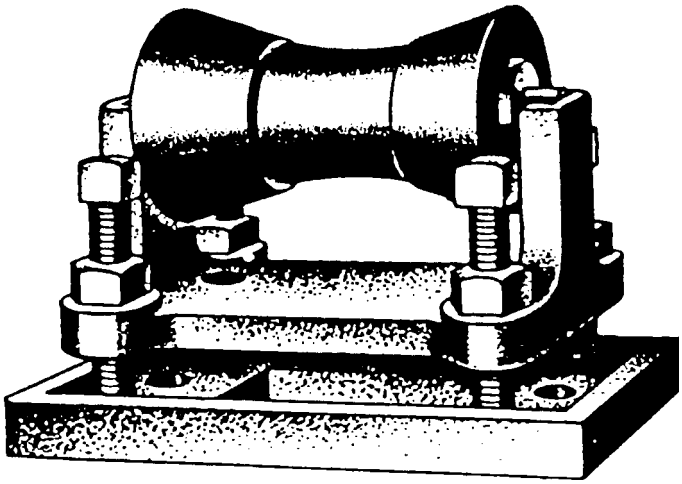
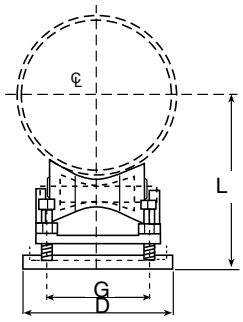
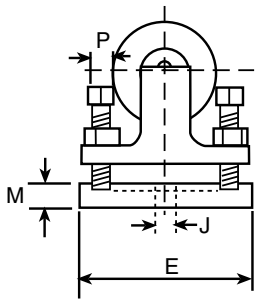
Rollers, Shields and Saddles







C-730-D (Discontinued see S-730-D) – Adjustable Pipe Roll Stand With Base Plate

Standard Finish - Black (B)

Cast Iron base plate, stand and roll, steel roll rod and adjusting screws. To support pipe lines where vertical and lateral adjustment is needed as well as allowance for axial movement. If roll is to support covered pipe, refer to catalog for sizing. Complies with Fed Spec. WW-H-171c, type 47. Order by Cat. No., & pipe roll size.

Cat. No.	Pipe Size	L		D	E	G	J	M	P	Design Load	Std. Ctn.
		Min.	Max.								
C-730-D-2B	2B	4½	5⅜	6⅞	5½	3⅞	1	1	⅝	390	1
C-730-D-2-1/2B	2½B	4¾	5⅜	6⅞	5½	3⅞	1	1	⅝	390	1
C-730-D-3B	3B	5⅛	6	6⅞	5½	3⅞	1	1	⅝	390	1
C-730-D-3-1/2B	3½B	5⅜	6¼	6⅞	5½	3⅞	1	1	⅝	390	1
C-730-D-4B	4B	6⅛	7¼	8⅛	5¾	5⅛	1	1	⅝	950	1
C-730-D-5B	5B	6¾	7⅞	8⅛	5¾	5⅛	1	1	⅝	950	1
C-730-D-6B	6B	7¼	8⅜	8⅞	5¾	5⅛	1	1	⅝	950	1
C-730-D-8B	8B	10	11¾	10⅝	6¾	7⅜	1	1⅛	¾	2100	1
C-730-D-10B	10B	11⅛	12⅞	10⅝	6¾	7⅜	1	1⅛	¾	2100	1
C-730-D-12B	12B	13¼	15	13	8	9½	1	1⅛	⅞	3075	1
C-730-D-14B	14B	13⅞	15⅜	13	8	9½	1	1⅛	⅞	3075	1
C-730-D-16B	16B	14¾	16⅝	14⅝	8⅝	11⅛	1	1¼	1	4980	1
C-730-D-18B	18B	15⅞	17¾	14⅝	8⅝	11⅛	1	1¼	1	4980	1
C-730-D-20B	20B	16⅞	18¾	14⅝	8⅝	11⅛	1	1¼	1	4980	1
C-730-D-24B	24B	19⅛	21	15¾	8⅝	12¼	1	1⅜	1	6100	1
C-730-D-30B	30B	23½	26¾	19¼	10½	15¾	1	1⅝	1¼	7500	1

Standard Finish – GoldGalv®, unless otherwise stated.

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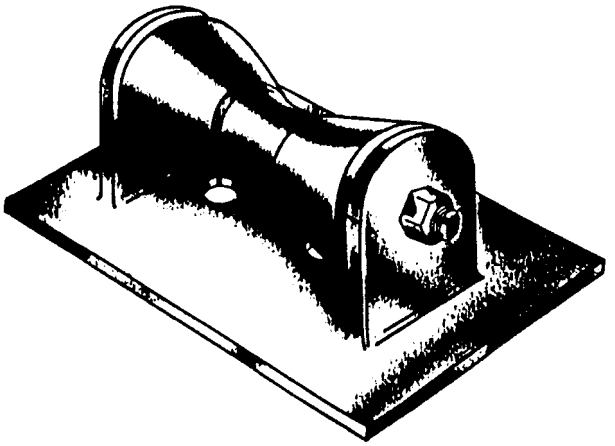
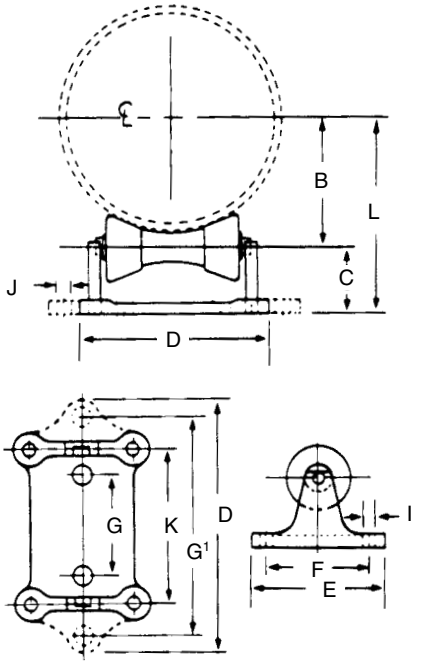
Rollers, Shields and Saddles





S-730-C – Pipe Roll Stand

Standard Finish - Black (B)

Carbon steel frame with cast iron roller. For use on lines subject to horizontal movement. Order specifying size, Cat. No. and finish. May be used in place of C-730-C.

Cat. No.	Hanger Size	B	C	D	E	F	G	G[1]	I	J	K	L	WGT./C Approx.	Max. Rec. Load, lb.
S-730-C-2B	2	1⅜	1¾	8⅜	5⅛	4	6⅜	6⅜	½	1	3 7⁄16	3 7⁄32	505	390
S-730-C-2-1/2B	2½	2⅛	1¾	8⅜	5⅛	4	6⅜	6⅜	½	1	3 7⁄16	3 13⁄16	505	390
S-730-C-3B	3	2⅜	1¾	8⅜	5⅜	4	6⅜	6⅜	½	1	3 7⁄16	4 5⁄16	505	390
S-730-C-3-1/2B	3½	2⅝	1¾	8⅜	5⅜	4	6⅜	6⅜	½	1	3 7⁄16	4 1⁄16	505	390
S-730-C-4B	4	2¾	2 1⁄16	9⅞	5⅝	4¼	7⅞	7⅞	½	1	4 1⁄16	5 1⁄16	575	950
S-730-C-5B	5	3⅜	2 1⁄16	9⅞	5⅝	4¼	7⅞	7⅞	½	1	4 1⁄16	5 1⁄16	575	950
S-730-C-6B	6	4	2 1⁄16	9⅞	5⅝	4¼	7⅞	7⅞	½	1	4 1⁄16	6¼	575	950
S-730-C-8B	8	5¼	3 7⁄16	8⅝	6⅝	5	4	–	⅝	1	7	8 13⁄16	1260	2100
S-730-C-10B	10	6⅜	3 7⁄16	8⅝	6⅝	5	4	–	⅝	1	7	9 15⁄16	1260	2100
S-730-C-12B	12	7½	3⅞	11	7⅞	6	5¾	–	¾	1	9 1⁄16	12	2300	3075
S-730-C-14B	14	8⅛	3⅞	11	7⅞	6	5¾	–	¾	1	9 1⁄16	12¾	2300	3075
S-730-C-16B	16	9⅜	4¼	12⅜	8⅜	6½	6¼	–	13⁄16	1	10¼	13½	3050	4980
S-730-C-18B	18	10⅜	4¼	12⅜	8⅜	6½	6¼	–	13⁄16	1	10¼	14⅝	3050	4980
S-730-C-20B	20	11⅜	4¼	12⅜	8⅜	6½	6¼	–	13⁄16	1	10¼	15⅝	3050	4980
S-730-C-24B	24	13⅜	4⅜	13½	8⅜	6½	7½	–	13⁄16	1	11⅜	17¾	4410	6100
S-730-C-30B	30	16¾	5⅛	17	10¾	8	10	–	1	1	14¼	21	6360	7500

Standard Finish – GoldGalv®, unless otherwise stated.

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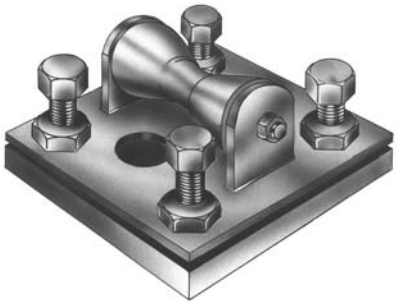
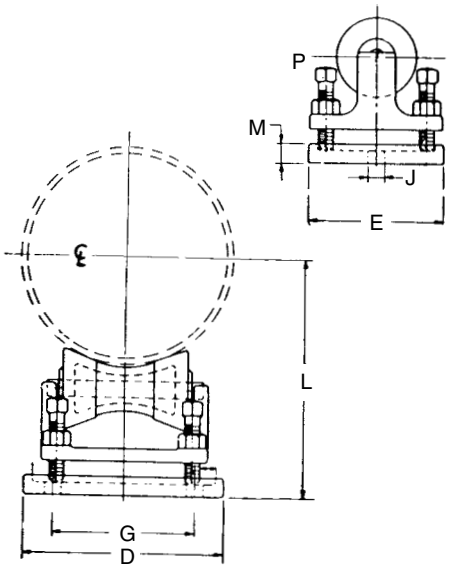
Rollers, Shields and Saddles





S-730-D – Adjustable Pipe Roller Stand

Standard Finish – Black (B)

Cast iron roller with a steel frame. Designed for use on lines subject to longitudinal movement. Order specifying size, Cat. No. and finish. May be used in place of C-730-D.

Cat. No.	Hanger Size	L Min.	L Max.	D	E	G	J	M	P	WGT./C Approx.	Max Rec. Load, lb.
S-730-D-2B	2	4½	5⅜	6⅞	5½	3⅞	1	1	⅜	1525	390
S-730-D-2-1/2B	2⅛	4¾	5¾	6⅞	5½	3⅞	1	1	⅜	1525	390
S-730-D-3B	3	5⅛	6	6⅞	5½	3⅞	1	1	⅜	1525	390
S-730-D-3-1/2B	3½	5½	6¼	6⅞	5½	3⅞	1	1	⅜	1525	390
S-730-D-4B	4	6¼	7¼	8⅛	5¾	5⅛	1	1	⅜	1930	950
S-730-D-5B	5	6¾	7⅞	8⅛	5¾	5⅛	1	1	⅜	1930	950
S-730-D-6B	6	7¼	8⅜	8⅛	5¾	5⅛	1	1	⅜	1930	950
S-730-D-8B	8	10	11¾	10½	6¾	7⅜	1	1⅛	¾	3205	2100
S-730-D-10B	10	11⅛	12⅞	10½	6¾	7⅜	1	1⅛	¾	3205	2100
S-730-D-12B	12	13¼	15	13	8	9½	1	1⅛	⅞	5115	3075
S-730-D-14B	14	13⅞	15¾	13	8	9½	1	1⅛	⅞	5115	3075
S-730-D-16B	16	14¾	16¾	14¾	8¾	11¼	1	1¼	1	7130	4980
S-730-D-18B	18	15⅞	17¾	14¾	8¾	11¼	1	1¼	1	7130	4980
S-730-D-20B	20	16¼	18¾	14¾	8¾	11¼	1	1¼	1	7130	4980
S-730-D-24B	24	19⅛	21	15¾	8⅝	12¼	1	1⅜	1	8700	6100
S-730-D-30B	30	23⅛	26¾	19¾	10½	15¾	1	1⅝	1¾	16615	7500

Standard Finish – GoldGalv®, unless otherwise stated.

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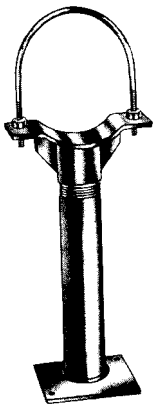


C-785

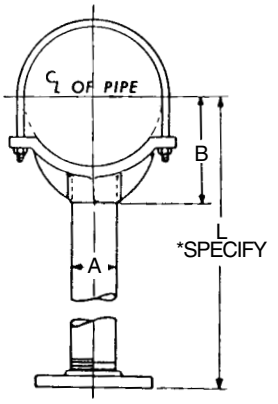


Fig. 1

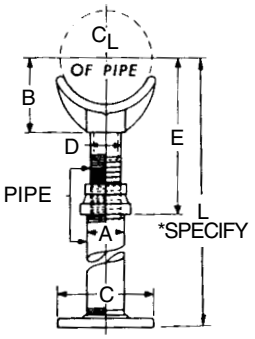
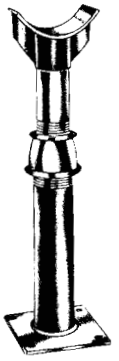


Fig. 2



C-786

Rollers, Shields and Saddles

C-785-A – Pipe Saddle with U-Bolt

Standard Finish – Black (B)

Carbon steel.

Conforms to Fed. Spec. WW-H-171E, type 38, and MSS SP-69, type 37. Specify size, catalog number and finish. Welded base plate and pipe, as shown, or screwed flange and pipe must be ordered separately. Saddle furnished complete with U-Bolt. **Stanchion stand sold separately, consult factory for details.**

Cat. No.	Pipe Size	A	B	Std. Ctn.
C-785-A-4B	4B	3	4 3/16	1
C-785-A-5B	5B	3	4 13/16	1
C-785-A-6B	6B	3	5 7/16	1
C-785-A-8B	8B	3	6 15/16	1
C-785-A-10B	10B	3	8 7/16	1
C-785-A-12B	12B	3	9 15/16	1
C-785-A-14B	14B	4	10 15/16	1
C-785-A-16B	16B	4	12 3/8	1
C-785-A-18B	18B	4	13 7/8	1
C-785-A-20B	20B	6	15 3/8	1
C-785-A-24B	24B	6	17 15/16	1
C-785-A-26B	26B	6	19 1/8	1
C-785-A-30B	30B	6	21 5/16	1
C-785-A-36B	36B	8	24 1/2	1

*** "L" dimension = total length from center of pipe to base.**

C-786 – Adjustable Pipe Saddle Support

Standard Finish – Black (B)

Steel

For general pipe runs close to the floor. Specify size, catalog number, finish and dimension "L". Complete unit consists of saddle, nipple and cast iron reducer assembled. Saddle may be ordered separately. Screwed floor flange and pipe, as shown, or welded base plate and pipe must be ordered separately. **Stanchion stand sold separately, consult factory for details.**

Cat. No.	Pipe Size	A	B	C	D	Dimension E Min.	Dimension E Max.	Std. Ctn.
C-786-2-1/2B	2 1/2B	2 1/2	3 7/16	9	1 1/2	8	13	1
C-786-3B	3B	2 1/2	3 11/16	9	1 1/2	8 1/4	13 1/4	1
C-786-3-1/2B	3 1/2B	2 1/2	3 15/16	9	1 1/2	8 1/2	13 1/2	1
C-786-4B	4B	3	4 3/16	9	2 1/2	9 1/4	14	1
C-786-5B	5B	3	4 13/16	9	2 1/2	10	14 3/4	1
C-786-6B	6B	3	5 7/16	9	2 1/2	10 1/2	15 1/4	1
C-786-8B	8B	3	6 15/16	9	2 1/2	11 3/4	16 1/2	1
C-786-10B	10B	3	8 7/16	9	2 1/2	13 1/2	18 1/4	1
C-786-12B	12B	3	9 15/16	9	2 1/2	15	19 3/4	1
C-786-14B	14B	4	10 15/16	11	3	16 1/4	20 3/4	1
C-786-16B	16B	4	12 3/8	11	3	17 3/4	22 1/4	1
C-786-18B	18B	6	13 7/8	13 1/2	3 1/2	19 1/2	24	1
C-786-20B	20B	6	15 3/8	13 1/2	3 1/2	21	25 1/2	1
C-786-24B	24B	6	17 15/16	13 1/2	4	23 3/4	28 1/4	1
C-786-30B	30B	6	21 5/16	13 1/2	4	27	31 1/2	1
C-786-32B	32B	6	22 1/2	13 1/2	4	28 1/4	32 3/4	1
C-786-36B	36B	6	24 1/2	13 1/2	4		34 3/4	1

Standard Finish – GoldGalv®, unless otherwise stated.

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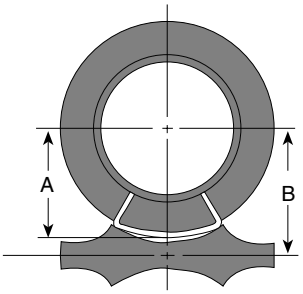
Rollers, Shields and Saddles

C-789; C-789A; C-789B; C-789C; C-789D; C-789E
Pipe Covering Protection Saddle

Standard Finish - Black (B)

Carbon steel.

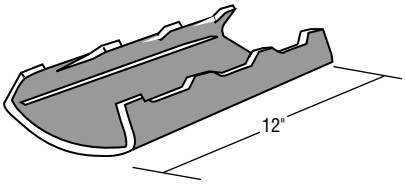
Complies with Fed. Spec. WW-H-171c, Types 39. Order by Cat. No., insulation thickness and pipe size.(none, A,B,C,D,or E)

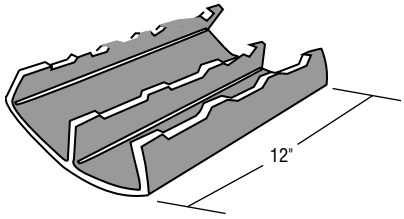


Insulation Thickness Guide

Cat. No.	Insulation Thickness	Pipe Sizes	Std. Ctn.
C-789-1B	1	¾ - 20	1
C-789A	1½	¾ - 24	1
C-789B	2	¾ - 24	1
C-789C	2½	1½ - 24	1
C-789D	3	2 - 24	1
C-789E	4 19/32	4 - 24	1

• Select Part Number by Insulation Thickness from Above then Add Pipe Size from Below. (Ex. C789D2 is 3" Insulation with 2" Pipe)





Cat. No.	Pipe Size	A	B	Insulation Thickness	Use With C-729	Design Load, lbs.	Std. Ctn.
C-789	¾	1 9/16	2 15/16	⅞	2½	1200	1
C-789A		2⅛	2⅝	1 7/16	3½	1200	1
C-789B		2¾	3⅜	2 1/16	5	1200	1
C-789	1	1 13/16	2¼	1 1/16	3	1200	1
C-789A		2 7/16	2 15/16	1 9/16	4	1200	1
C-789B		2⅞	3½	2⅛	5	1200	1
C-789	1¼	1 15/16	2½	⅞	3	1200	1
C-789A		2 9/16	3⅛	1⅝	5	1200	1
C-789B		3 1/16	3 11/16	2 1/16	5	1200	1
C-789	1½	2⅛	2⅝	1	4	1200	1
C-789A		2 11/16	3¼	1½	5	1200	1
C-789B		3 7/16	4⅛	2 5/16	6	1800	1
C-789C		3 13/16	4⅝	2 13/16	8	1800	1
C-789	2	2 7/16	3	1 1/16	4	1200	1
C-789A		2⅞	3½	1 9/16	5	1200	1
C-789B		3 11/16	4⅜	2⅛	6	1800	1
C-789C		3 15/16	4¾	2⅝	8	1800	1
C-789D		4 11/16	5½	3⅛	8	1800	1
C-789	2½	2 11/16	3¼	1 1/16	5	1200	1
C-789A		3¾	4⅛	1⅞	6	1200	1
C-789B		3 15/16	4⅝	2 5/16	6	1800	1
C-789C		4 7/16	5¼	2⅞	8	1800	1
C-789D		4 15/16	5¾	3⅜	10	1800	1

Standard Finish – GoldGalv®, unless otherwise stated.

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Rollers, Shields and Saddles

Pipe Covering Protection Saddle (Continued)

Cat. NO.	Pipe Size	A	B	Insulation Thickness	Use With C-729	Design Load	Std. Ctn.
C-789	3	2 15/16	3 1/2	1	5	1200	1
C-789A		3 1/2	4 3/16	1 9/16	6	1800	1
C-789B		4 1/8	4 7/8	2 1/16	8	1800	1
C-789C		4 11/16	5 3/8	2 9/16	8	1800	1
C-789D		5	5 15/16	3 1/16	10	1800	1
C-789	3 1/2	3 7/16	4	1 1/4	6	1800	1
C-789A		4	4 11/16	1 13/16	8	1800	1
C-789B		4 3/8	5 3/16	2 1/4	8	1800	1
C-789C		4 13/16	5 3/4	2 3/4	10	1800	1
C-789D		5 1/2	6 11/16	3 5/16	10	1800	1
C-789	4	3 9/16	4 3/16	1 1/16	6	1800	1
C-789A		3 7/8	4 11/16	1 9/16	8	1800	1
C-789B		4 11/16	5 1/2	2 1/16	8	1800	1
C-789C		5 1/8	6 1/16	2 9/16	10	1800	1
C-789D		5 9/16	6 1/2	3 1/16	10	1800	1
C-789E		6 9/16	7 11/16	4 1/16	14	1800	1
C-789	5	4 1/8	4 13/16	1	8	1800	1
C-789A		4 1/2	5 5/16	1 1/2	8	1800	1
C-789B		4 15/16	5 7/8	2	10	1800	1
C-789C		5 9/16	6 1/2	2 9/16	12	1800	1
C-789D		6 1/8	7 1/16	3 1/16	12	1800	1
C-789E		7 3/16	8 1/4	4 3/16	14	1800	1
C-789	6	4 9/16	5 3/8	1	8	1800	1
C-789A		5 1/16	5 7/8	1 1/2	10	1800	1
C-789B		5 9/16	6 1/2	2 1/16	12	1800	1
C-789C	6	1/16	7 1/16	2 9/16	12	1800	1
C-789D		6 5/8	7 5/8	3 1/16	12	1800	1
C-789E		7 11/16	9 1/8	4 3/16	16	1800	1
C-789A	8	6	7 1/4	1 9/16	12	1800	1
C-789B		6 9/16	7 5/8	2 1/16	12	1800	1
C-789C		7 1/4	8 3/8	2 11/16	14	1800	1
C-789D		7 5/8	9	3 1/8	16	1800	1
C-789E		8 11/16	10 1/8	4 3/16	18	1800	1
C-789A	10	7 1/4	8 1/2	1 5/8	14	1800	1
C-789B		7 11/16	9 1/8	2 1/8	16	1800	1
C-789C		8 3/16	9 11/16	2 5/8	16	1800	1
C-789D		8 11/16	10 1/8	3 1/8	18	1800	1
C-789E		9 11/16	11 5/16	4 1/8	20	1800	1
C-789	12		Consult Factory			1800	1
C-789A		8 3/16	9 11/16	1 5/8	16	5000	1
C-789B		8 13/16	10 1/4	2 1/8	18	5000	1
C-789C		9 1/4	10 3/4	2 5/8	18	5000	1
C-789D		9 11/16	11 5/16	3 1/8	20	5000	1
C-789E		10 3/4	12 9/16	4 1/8	–	5000	1

Standard Finish – GoldGalv®, unless otherwise stated.

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Rollers, Shields and Saddles

Pipe Covering Protection Saddle (Continued)

Cat. NO.	Pipe Size	A	B	Insulation Thickness	Use With C-729	Design Load	Std. Ctn.
C-789	14		Consult Factory				1
C-789A		8 13/16	10 5/16	1½	18	5000	1
C-789B		9 7/16	10 15/16	2	18	5000	1
C-789C		9⅞	11½	2⅝	20	5000	1
C-789D		10 5/16	12	3	20	5000	1
C-789E		11⅜	13¼	4	–	5000	1
C-789	16		Consult Factory				1
C-789A		9¾	11⅜	1½	20	5000	1
C-789B		10 5/16	12	2	20	5000	1
C-789C		10¾	12 9/16	2½	–	7200	1
C-789D		11 5/16	13 3/16	3	–	7200	1
C-789E		12 5/16	14 3/16	4	–	7200	1
C-789	18		Consult Factory				1
C-789A		10¾	12 9/16	1½	–	5000	1
C-789B		11 5/16	13	2	–	7200	1
C-789C		11¼	13⅝	2½	–	7200	1
C-789D		12 5/16	14 3/16	3	–	7200	1
C-789E		13 5/16	15 3/16	4	–	7200	1
C-789	20		Consult Factory				1
C-789A		11¼	13⅝	1½	–	7200	1
C-789B		12 5/16	14 3/16	2	–	7200	1
C-789C		12¾	14⅝	2½	–	7200	1
C-789D		13 5/16	15 5/16	3	–	7200	1
C-789E		14 5/16	16 9/16	4	–	7200	1
C-789A	24	13¾	16	1½	–	7200	1
C-789B		14 5/16	16 9/16	2	–	7200	1
C-789C		14¾	17	2½	–	7200	1
C-789D		15 5/16	17 9/16	3	–	7200	1
C-789E		16 5/16	18⅞	4	–	7200	1

Standard Finish – GoldGalv®, unless otherwise stated.

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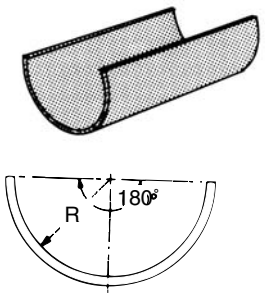
Rollers, Shields and Saddles



C-790-Insulation Protection Shield

Standard Finish – Pre-Galvanized (PG)

Complies with Fed. Spec. WW-H-171E, Type 41 and MSS SP-69 Type 40.
Order by Cat. No., shield size.

Cat. No.	Shield Size	Material	Shield Length	R	Std. Ctn.
C-790-X1A	X1A	18 ga.	12	.95	1
C-790-1A	1A	18 ga.	12	1.19	1
C-790-2A	2A	18 ga.	12	1.44	1
C-790-3A	3A	18 ga.	12	1.75	1
C-790-4A	4A	18 ga.	12	2.00	1
C-790-5A	5A	18 ga.	12	2.25	1
C-790-6A	6A	18 ga.	12	2.50	1
C-790-7A	7A	18 ga.	12	2.78	1
C-790-8A	8A	16 ga.	12	3.32	1
C-790-9A	9A	16 ga.	12	3.82	1
C-790-10A	10A	16 ga.	12	4.32	1
C-790-9B	9B	16 ga.	18	3.82	1
C-790-10B	10B	16 ga.	18	4.32	1
C-790-11B	11B	16 ga.	18	4.82	1
C-790-12B	12B	16 ga.	18	5.38	1
C-790-13C	13C	14 ga.	24	5.88	1
C-790-14C	14C	14 ga.	24	6.38	1
C-790-15C	15C	14 ga.	24	7.00	1
C-790-16C	16C	14 ga.	24	7.50	1
C-790-17C	17C	14 ga.	24	8.00	1
C-790-18C	18C	14 ga.	24	8.50	1

How To Order Shield Size Selection Table

Cat. No.	Pipe Sizes	Insulation Thickness (Inches) ½	¾	1	1½	2
C-790-1/2	½	1A*	1A	–	–	–
C-790-3/4	¾	1A	1A	2A	4A	6A
C-790-1	1	1A	2A	3A	5A	7A
C-790-1-1/4	1¼	2A	3A	4A	6A	7A
C-790-1-1/2	1½	2A	3A	4A	6A	7A
C-790-2	2	3A	4A	5A	7A	8A
C-790-2-1/2	2½	4A	5A	6A	7A	8A
C-790-3	3	5A	6A	7A	8A	9A
C-790-3-1/2	3½	–	–	8A	9A	10A
C-790-4	4	–	–	8A	9A	10A
C-790-5	5	–	–	9B	10B	11B
C-790-6	6	–	–	10B	11B	12B
C-790-8	8	–	–	–	13C	14C
C-790-10	10	–	–	14C	15C	16C
C-790-12	12	–	–	16C	17C	18C
C-790-14	14	–	–	17C	18C	–

*For Unarco foam specify X1A.

Sizes of CL-710 OR C-710 Clevis

For use with shields outside of insulation.

Pipe Sizes	Insulation Thickness (Inches) ½	¾	1	1½	2
½	2	2	–	–	–
¾	2	2	2½	3½	5
1	2	2½	3	4	5
1¼	2½	3	3	5	5
1½	2½	3	3½	5	5
2	3	3½	4	5	6
2½	3½	4	5	5	6
3	4	5	5	6	8
3½	–	–	6	8	8
4	–	–	6	8	8
5	–	–	8	8	10
6	–	–	8	10	10
8	–	–		12	12
10	–		12		–

Standard Finish – GoldGalv®, unless otherwise stated.

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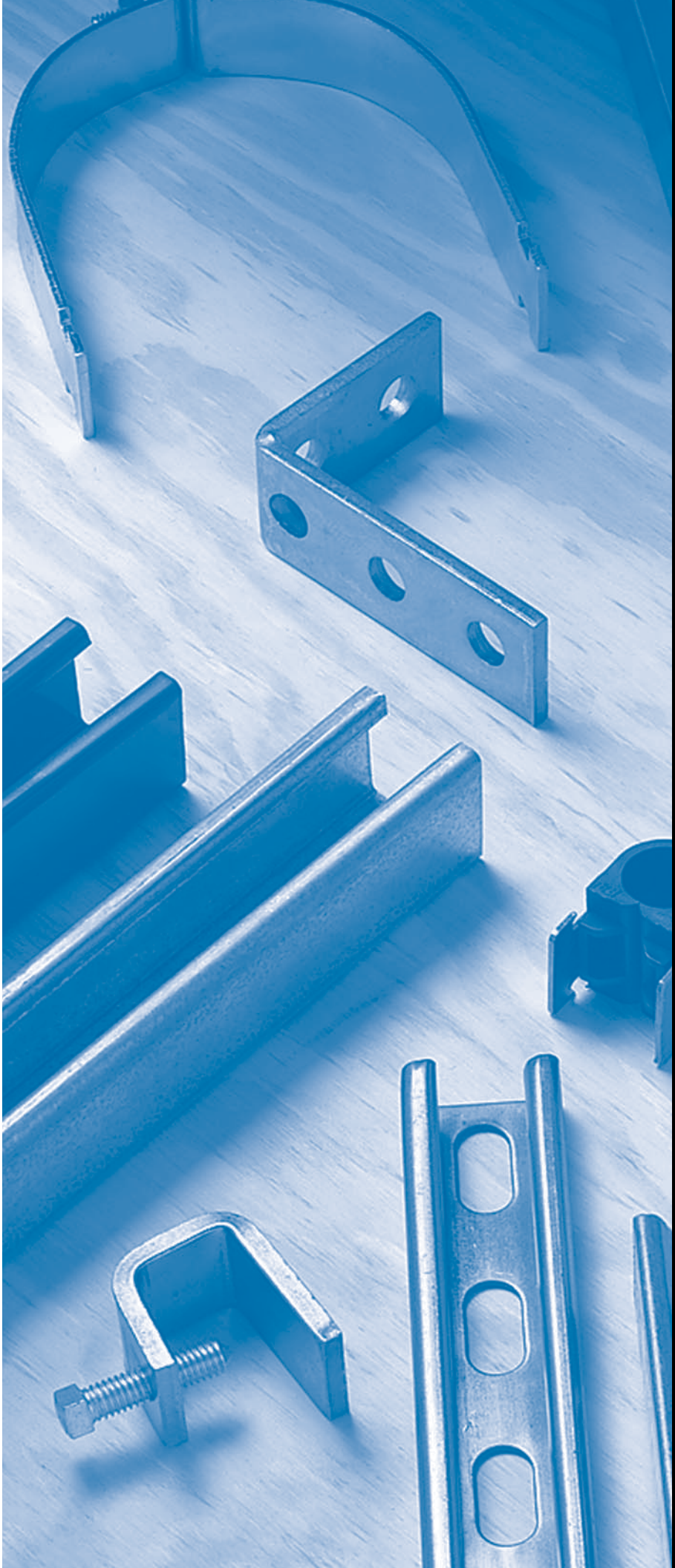

Superstrut®

Surface Raceway and Lighting
Systems (Series 800). . . . . J98 - J106

J

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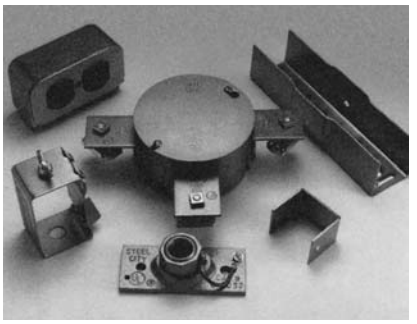
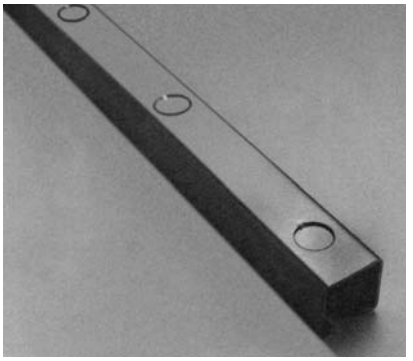


UL Listed Channels

- *A-1200*
- *A-1200-KO*
- *A-1200 AL*
- *A-1200 PG*
- *A-1400*
- *A-1400-KO*
- *A-1400 SS*
- *B-1200*
- *B1200AL*
- *B-1400*
- *C-1200*
- *E-1200*
- *H-1200*



Materials

Superstrut electrical raceway, fixture hanging channel, closure strip and accessories are cold formed from hot rolled strip steel.

Design Data

Deflections at various hanger rod spacings for raceway channels based on 40 to 45 lbs. per fixture.

Channel	Deflection at 10 ft.	at 12 ft.	at 14 ft.
A-1200	¼"	½"	¾"
C-1200	⅜"	¾"	*
A-1400	⅜"	¾"	*

Channel	Deflection at 6 ft.	at 7 ft.	at 9 ft.
B-1200	⅜"	9⁄16"	⅝"
B-1400	1"	½"	*

*Not recommended for this spacing.

MAXIMUM NUMBER OF WIRES

Wire Size Avg	Raceway: With or Without KO A-1200 A-1400		B-1200 B-1400		C-1200		E-1200 H-1200	
	A	**B**	**A**	**B**	**A**	**B**	**A**	**B**
14	6	10	4	6	5	10	6	10
12	6	10	3	6	4	10	6	10
10	5	8			4	6	5	8
8	4	6			3	4	4	6
6	2	3			2	2	2	3

Electrical Raceway

Superstrut channel together with snap in closure strip is listed by Underwriters Laboratories as a surface metal raceway. Other accessories listed by Underwriters Laboratories are identified on the drawings.

COLUMN A Suitable for number of wires indicated when used as a raceway. Also suitable for number of wires indicated when installed to support and supply electric discharge type fixtures when raceway wiring is suitable for not less than 75°C.

By providing clearance between fixture and raceway of not less than ½", were suitable for 60°C may be used.

COLUMN B Suitable for number of wires indicated when used as a raceway. Also suitable for number of wires indicated when installed to support electric discharge type fixtures when clearance of not less than ⅛" is provided between raceway and fixture and when wiring is suitable for 75°C.

GoldGalv® hardware finish is standard for all Superstrut products. This is a multi-process finish of electro-plated zinc, followed by gold colored zinc dichromate to give excellent corrosion resistance and a superior paint base. See page J2 for a complete description of the GoldGalv® hardware finish. GoldGalv® hardware finish will be furnished if no other finish is specified.

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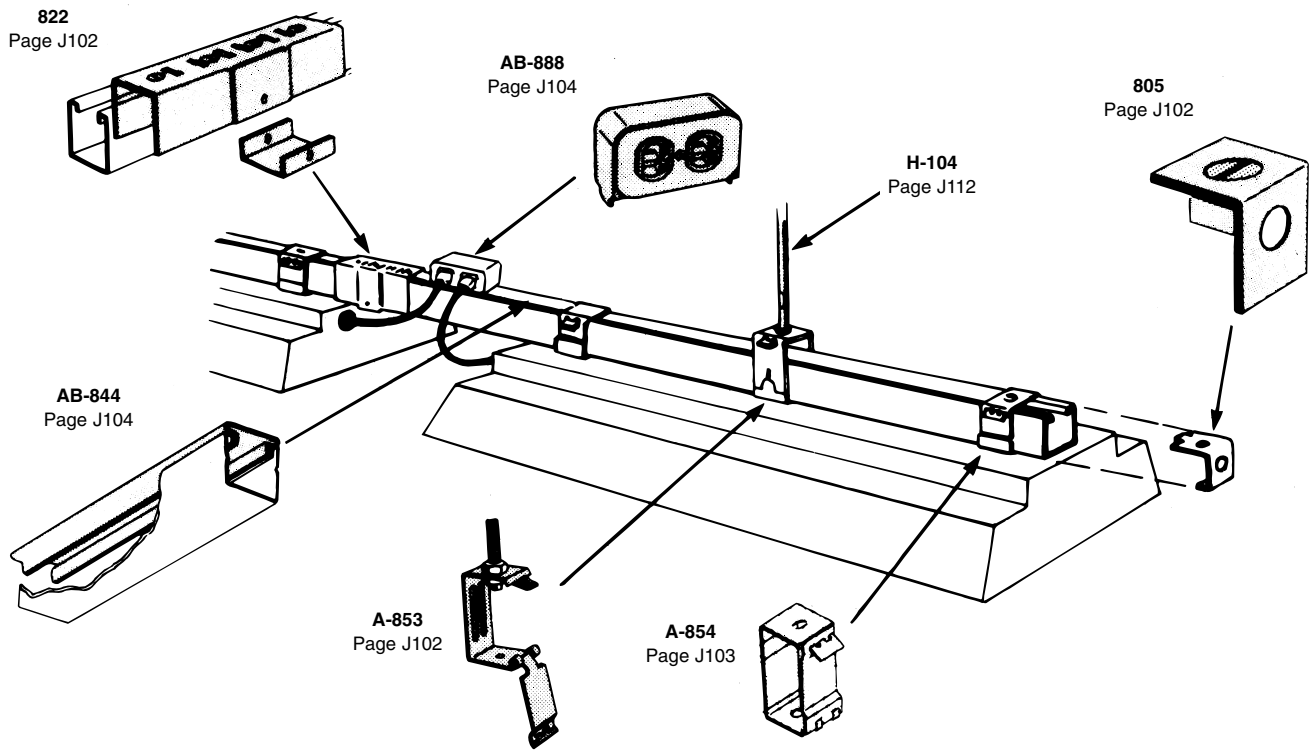
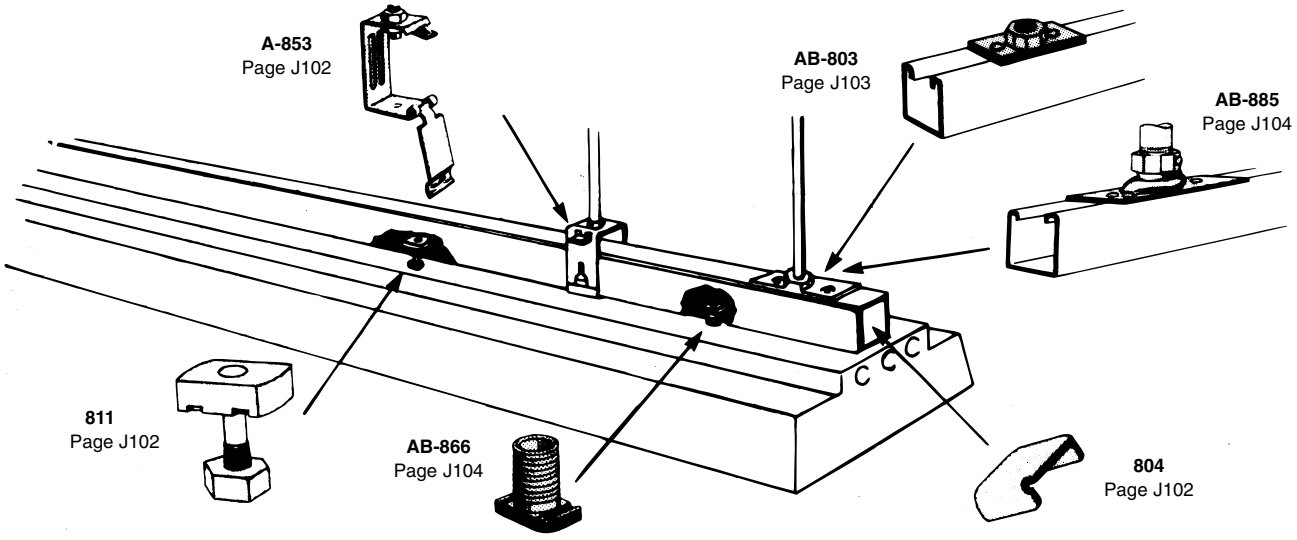
Electrical Applications

SURFACE RACEWAY SYSTEMS





Standard Finish – GoldGalv® brand

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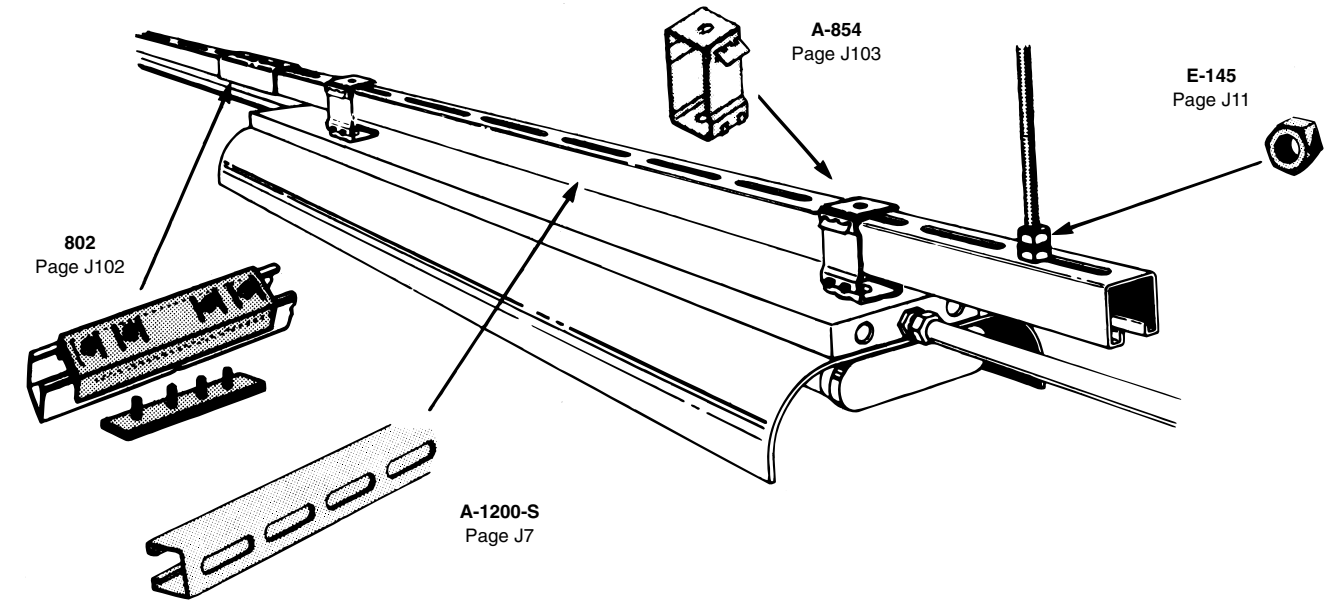
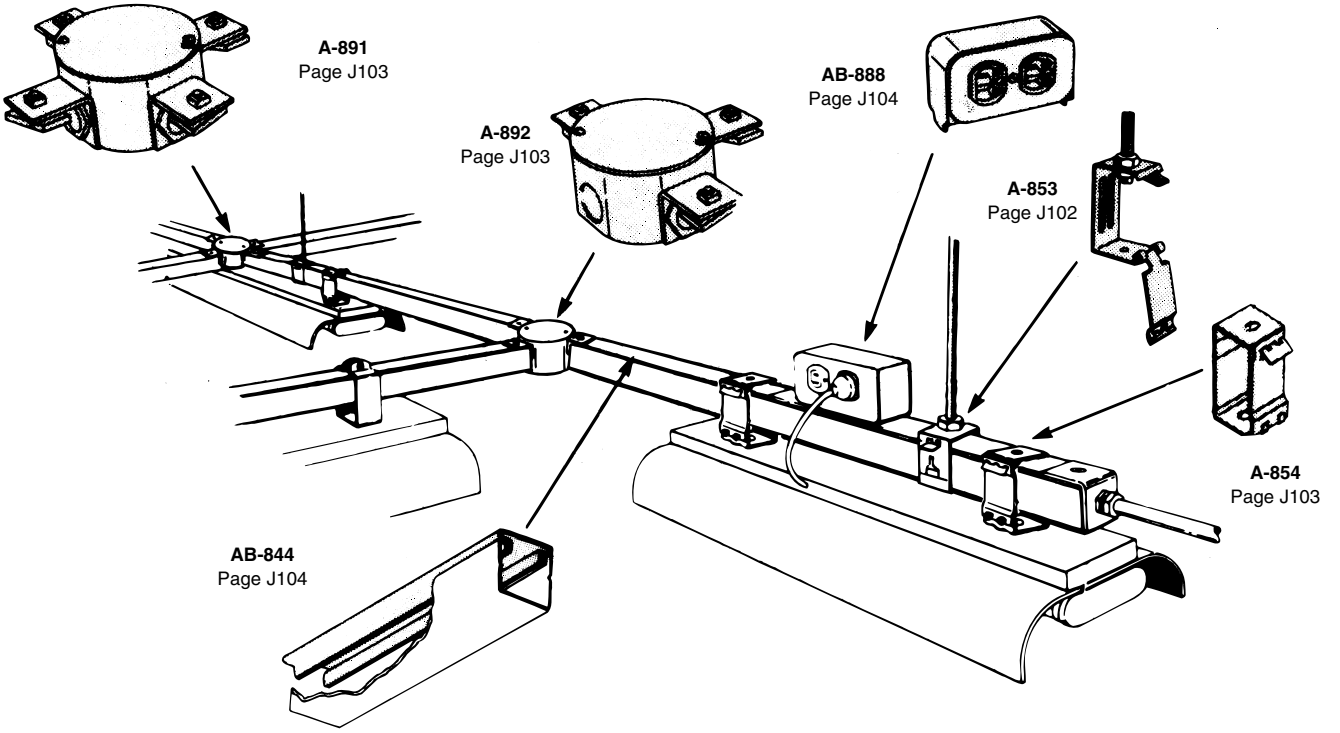
Electrical Applications





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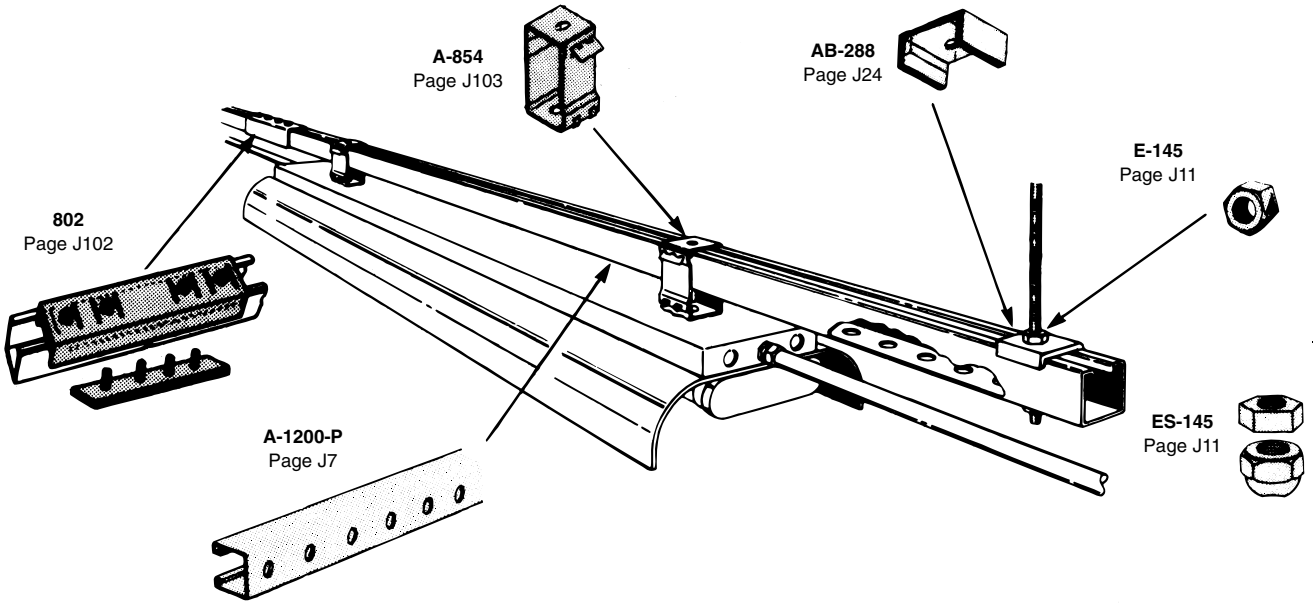
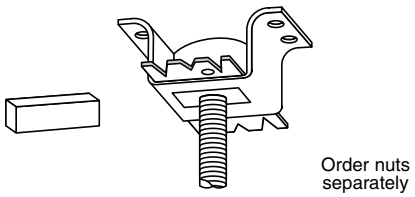
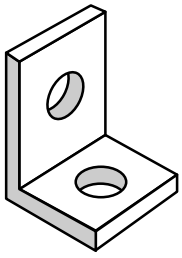
Electrical Applications



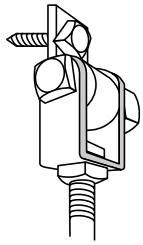


Order nuts separately

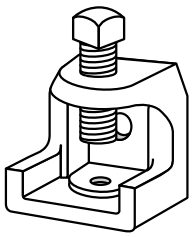
452
Concrete Spot Insert
Page J144



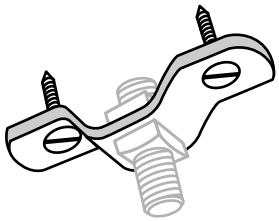
540
Side Beam Hanger Clip
Page J36



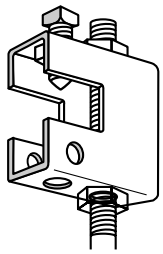
S-541
Swing Connector
Page J36



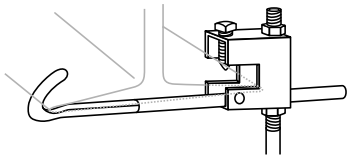
500
Beam Clamp
Page J37



U-579
Ceiling Flange
Page J36



US-563
Beam Clamp
Page J38



U-569
Beam Clamp with safety Rod
Page J39

J
Superstrut®

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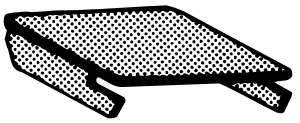
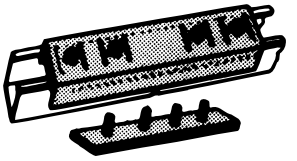
Fixture Fittings

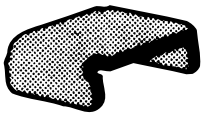


A-243-1
End Cap For A-1200 Channel



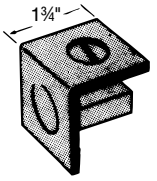
802
Raceway Joiner with Reinforcing Plate furnished complete with nuts.

Cat. No.	For Channel	Std. Ctn.
A-802	A Series	25
B-802	B Series	25
E-802	E Series	10
H-802	H Series	10



804
End Cap

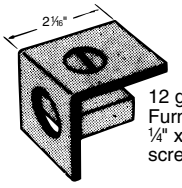
Cat. No.	For Channel	Std. Ctn.
A-804	A-1200	25
	A-1400	25
B-804	B-1400	25
C-804	C-1200	25
E-804	E-1200	25
H-804	H-1200	25



KO for ½" conduit. Furnished complete with ¼" x ⅝" flat head machine screw and AB-100-¼" nut.

805
End Cap With Knockout

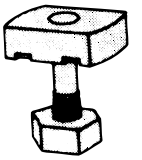
Cat. No.	For Channel	Std. Ctn.
A-805	A Series	25
H-805	H Series	25



12 ga. for ¾" or 1" conduit. Furnished complete with ¼" x ⅝" flat head machine screw and AB-100-¼" nut.

809
Tapped End Cap

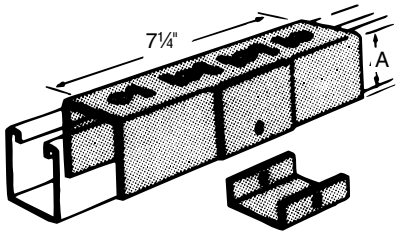
Cat. No.	For Channel	Std. Ctn.
A-809	A Series	25
H-809	H Series	25



For attaching fixture to slot down channel or to slot up knockouts. Specify length. Hex nut included.

811
Stud Nut

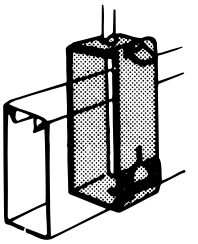
Cat. No.	For Channel	Std. Ctn.
811-1STR	¼ x 1	50
811-2STR	¼ x 1¼	50



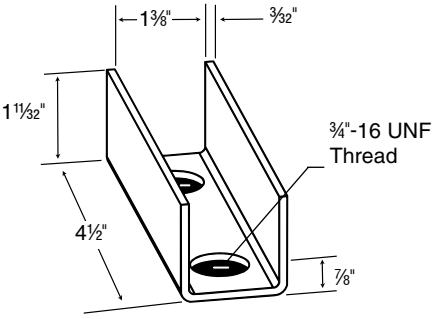
822
Raceway Jointer & Seal

Cat.No.	A	For Channel	Std. Ctn.
A-822*	1 11/16	A Series	25
B-822*	⅞	B Series	25
C-822*	1 7/16	C Series	25

A-853
Channel Hanger
Use hanger rod ⅜" or ½".
Use with "A", "B", or "C" series single channel.



A-853-L
Channel Hanger - Long type for all series channel.



A-213

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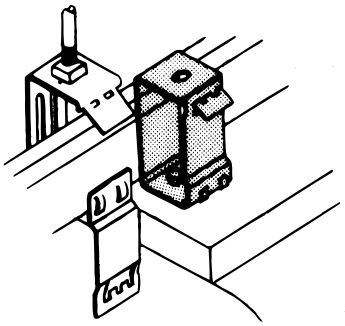
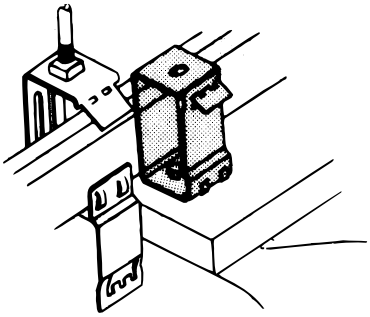
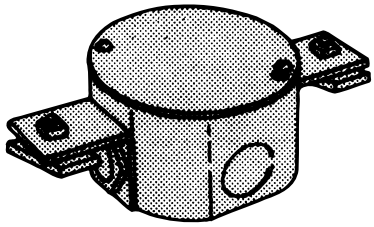
Fixture Fittings



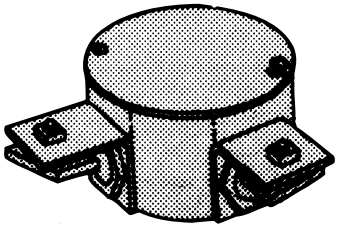
A-854
Channel Hanger
Illustration showing A-854 with nut and bolt furnished to attach to fluorescent fixture. Use with "A", "B" or "C" series channel.



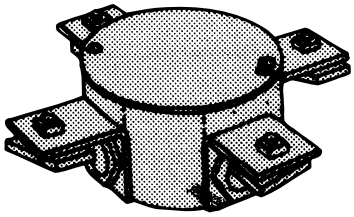
A-854 -L
Channel Hanger – Long
Illustration showing A-854-L with nut and bolt furnished to attach to fluorescent fixture. Long type for all series channel



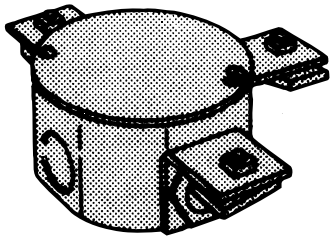
***A-889**



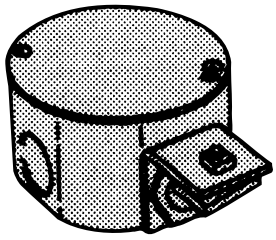
***A-890**



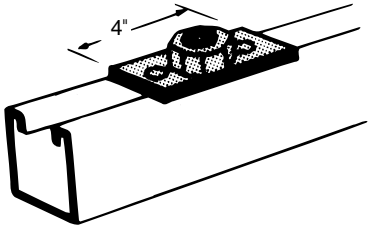
***A-891**



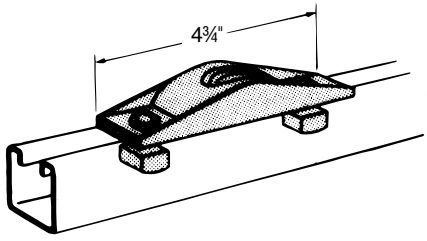
***A-892**



A-893



***AB-803**
Cast Conduit Connector
To connect ½" or ¾" conduit to raceway channel – Furnished complete with stud nuts & hex nuts. Part has removable bushing to increase size from ½" to ¾".



AB-815
Swing Connector
Nuts & bolts to clamp to channel included. For ½" or ¾" conduit.

* UL Listed

J Superstrut®

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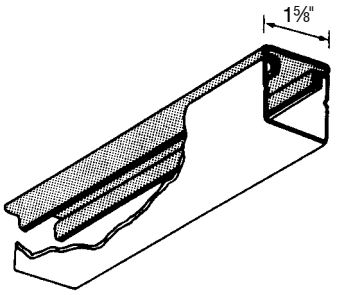
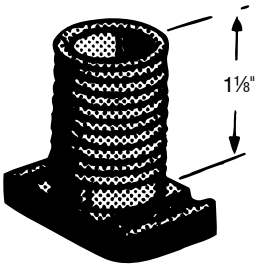
Fixture Fittings



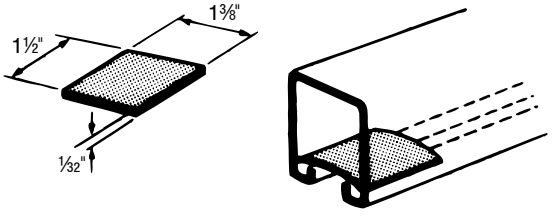
***AB-844**
Steel Closure Strip

***AB-844-PC**
Plastic Closure Strip
For all channels. Standard lengths 10 ft.

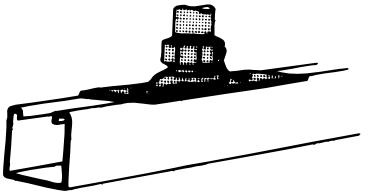
When used as a raceway channel, it is normally installed with the slot up and after wiring is complete, the closure strip is installed.



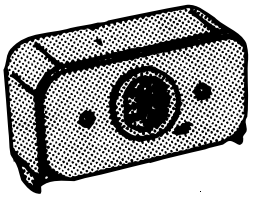
AB-866
½" Pipe thread



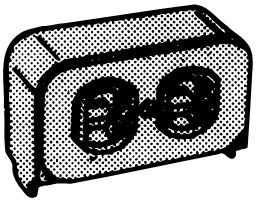
AB-868
Fiber Retainer for cables until closure strip is installed



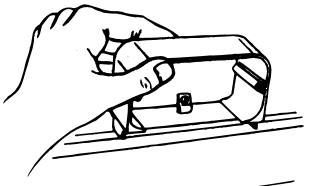
AB-885
15° Swivel
Nuts and bolts to clamp to channel included. For ½" or ¾" conduit.

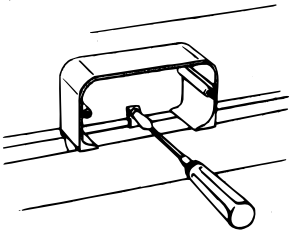


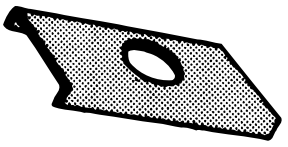
***AB-887**
Single Outlet
Complete unit including housing, standard SINGLE 3-wire, 15 Amp., 125 volt, NEMA ground receptacle and cover plate.



***AB-888**
Duplex Outlet
Complete unit including housing, standard DUPLEX 3-wire, 15 Amp., 125 volt, NEMA ground receptacle and cover plate.







***AB-867**
Spacer Clevis
For use with AB-866 wiring stud nuts.

UL Listed

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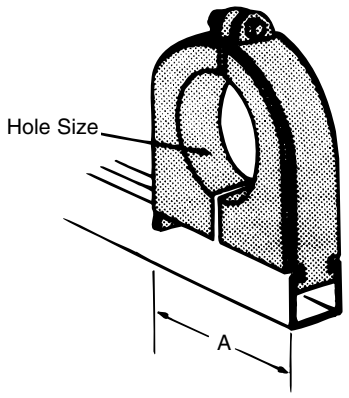
Cable Clamps



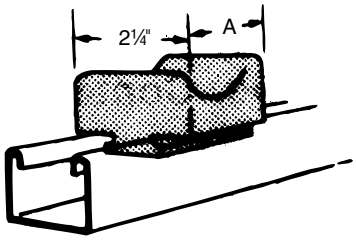
C-755

C-755-Porcelain Cable Clamps

Finish – GoldGalv® brand with bronze hardware

Also fits 1½" wide channel.

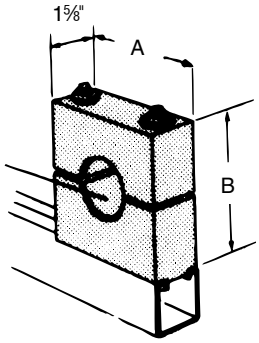
Cat. No.	Hole Size	A	Std. Ctn.
C-755-1A	⅜	1 9/16	
C-755-1B	½	1 9/16	10
C-755-1C	⅝	1 9/16	10
C-755-2	¾	2 5/32	10
C-755-2A	⅞	2 5/32	10
C-755-2B	1	2 5/32	10
C-755-2C	1⅛	2 5/32	10
C-755-3	1¼	2⅝	10
C-755-3A	1⅜	2⅝	10
C-755-3B	1½	2⅝	10
C-755-3C	1⅝	2⅝	10
C-755-4	1¾	3¾	10
C-755-4A	1⅞	3¾	10
C-755-4B	2	3¾	10
C-755-4C	2⅛	3¾	10
C-755-5	2¼	4¼	10
C-755-5A	2⅜	4¼	10
C-755-5B	2½	4¼	10
C-755-5C	2⅝	4¼	10
C-755-6	2¾	4¾	10
C-755-6A	2⅞	4¾	10
C-755-6B	3	4¾	10
C-755-6C	3⅛	4¾	10
C-755-7	3¼	5 13/16	10
C-755-7A	3⅜	5 13/16	10
C-755-7B	3½	5 13/16	10
C-755-7C	3⅝	5 13/16	10
C-755-8	3¾	6⅞	5
C-755-8A	3⅞	6⅞	5
C-755-8B	4	6⅞	5
C-755-8C	4⅛	6⅞	5
C-755-8D	4¼	6⅞	5
C-755-8E	4⅜	6⅞	5
C-755-8F	4½	6⅞	5



AB-880
AB-881

AB-880 – 3" Porcelain Saddle, AB-881 – 4" Porcelain Saddle

Cat. No.	Max. Cable Diam.	Std. Ctn.
AB-880	3	3
AB-881	4	4½



U-861

C-750 – Maple Cable Clamp

Cat. No. & Size	O.D. of Cable	Dimensions (in.) A	Dimensions (in.) B	Wt. in lbs./C
C-750-1	0 —0.99	4	3⅞	90
C-750-2	1.0—1.49	4½	4⅜	100
C-750-3	1.5—1.99	5	4⅞	120
C-750-4	2 —2.49	5½	5⅜	140
C-750-5	2.5—2.99	6	5⅞	160
C-750-6	3 —3.49	7	6⅞	200
C-750-7	3.5—3.99	8	7⅞	240
C-750-8	4 —4.49	–	–	–
C-750-9	4.5—5.00	–	–	–

Size refers to over-all dimensions of maple cable clamp only. Hole will be bored to fit O.D. of cable. Orders MUST specify exact O.D. of cable. Special Order.

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Notes

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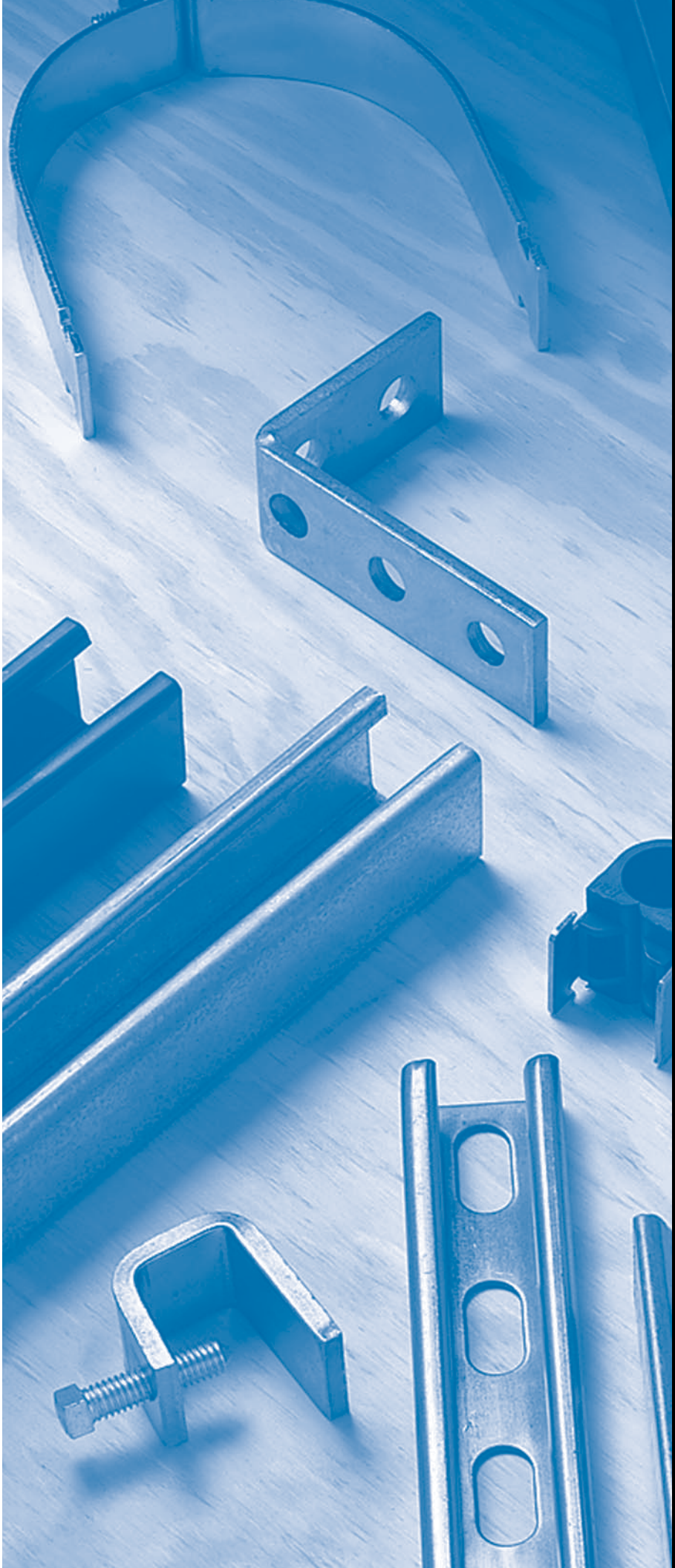


Superstrut®

Special Metals. . . . . J108 - J118

J

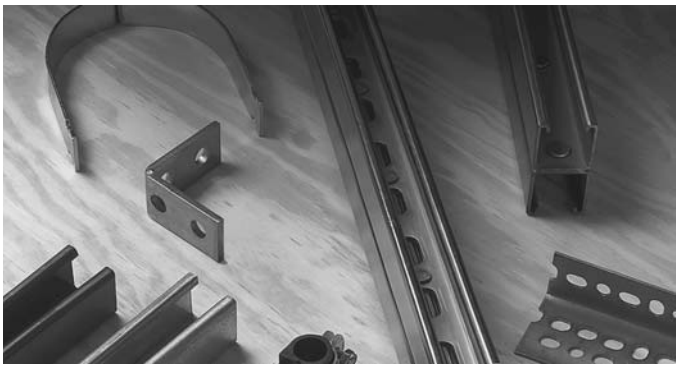
Thomas&Betts

Properties for Design

Stainless Steel

(Suffix SS/Type 304 and 6SS/Type 316)

Superstrut stainless steel products are made from high-quality austenitic Type 304 and Type 316 material. Stainless steel contains large amounts of chromium and nickel, is non magnetic and offers superior corrosion resistance. Tolerant to high-temperature environments, Superstrut's stainless steel framing provides dependable support, resulting in reduced maintenance cost. The channel is roll-formed to shape when cold, enhancing its structural strength for the most rigid of applications.



White Painted Standard Steel items have Properties and Design detailed on J3.

Stainless Steel Channel

Elements of sections are the same as shown on Pages J126-J135 for standard steel channel. Load ratings meet or exceed ratings for standard steel channel shown elsewhere in this catalog.

Additional stainless steel and aluminum items are available. Contact your local Superstrut representative.

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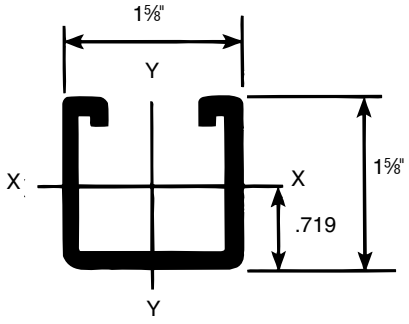
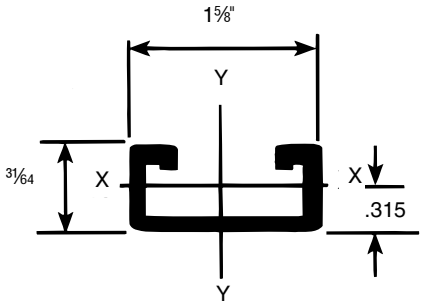
Properties for Design Aluminum Channel (Suffix AL)

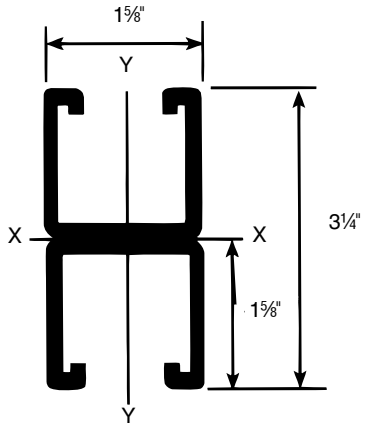


12 GA. = .105"
I-Moment of inertia
S-Section of Modulus
r-Radius of Gyration
A-Area

Calculations based on maximum fibre stress of 10,000 PSI, maximum deflection 1/360th of span. For concentrated loads, multiply load by 0.50.

Section Member	A in.²	X - X AXIS I In.⁴	X - X AXIS S In.³	X - X AXIS r In.	Y - Y AXIS I In.⁴	Y - Y AXIS S In.³	Y - Y AXIS r In.
A-1200	.563	.198	.224	.594	.274	.338	.698
B-1200	.400	.041	.082	.320	.150	.185	.612
A-1202	1.126	1.001	.620	.942	.548	.676	.698





Span (inches):
12,18,24,30,36,42,48,54,60,72,8
4,96,108, &120.

Safe Uniform Total Load Table (X-X AXIS)

SPAN (inches)	B-1200-AL (lbs)	A-1200-AL (lbs)	A-1202-AL (lbs)
12	540	1490	4130
18	270	990	2760
24	150	730	2070
30	90	470	1650
36	60	320	1370
42	50	240	1180
48		180	930
54		140	730
60		110	590
72		80	410
84		60	300
96		40	230
108		30	180
120		20	140

TYPICAL PHYSICAL AND MECHANICAL PROPERTIES AND CHARACTERISTICS

ALLOY AND TEMPER	6063-T6
TENSILE-STRENGTH:	YIELD - 25,000 PSI
	ULTIMATE - 30,000 PSI
SHEAR - ULTIMATE:	19,000 PSI
ELONGATION:	(PERCENT IN 2 INCHES) -12
DENSITY:	0.098 LBS/CU. INCH
MODULUS OF ELASTICITY	10 X 106 PSI

J
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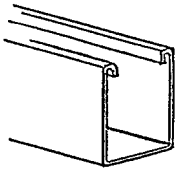
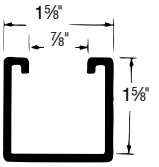
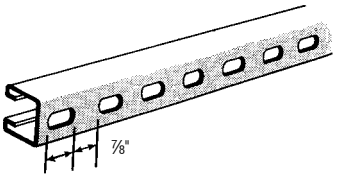
Aluminum Products (AL Suffix)



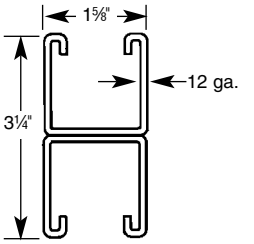


A SERIES

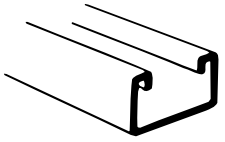
A-1200
1⅝" deep channel & combination

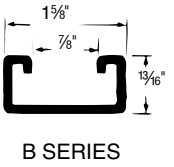


A-1200-HS
Slots 2" on center.
Slot size 9⁄16" x 1⅛"



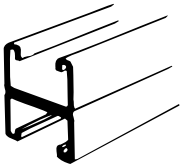
A-1202

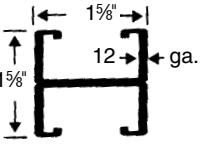




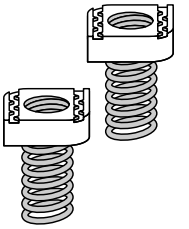
B SERIES

B-1200

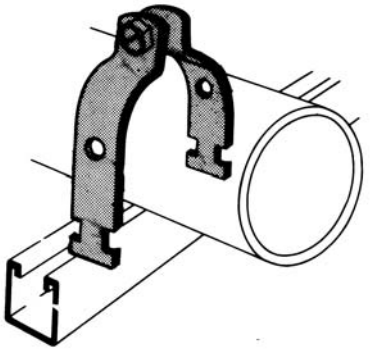




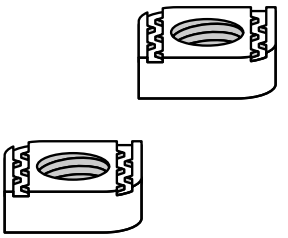
B-1202



A-100
Regular Spring Nut



702
Rigid Conduit Pipe Strap



AB-100
Springless Nut

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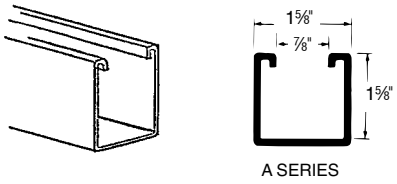
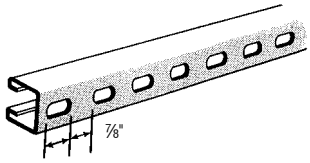
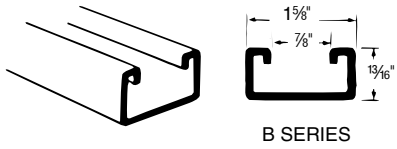
Type #304 Stainless Steel Products (SS Suffix)



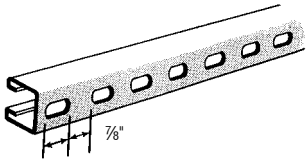
A-1200



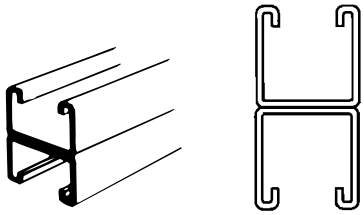
A-1200-HS



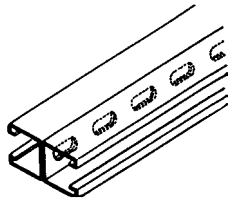
B-1400



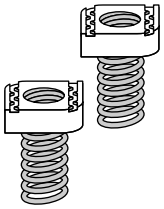
B-1400-HS



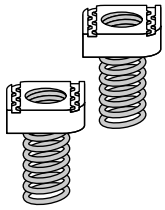
A-1202



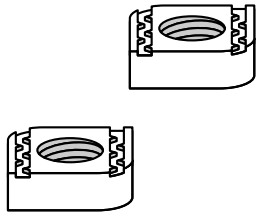
A-1202-HS



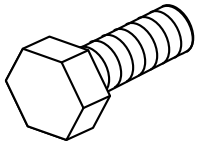
A-100
Regular Spring Nut



B-100
Short Spring Nut

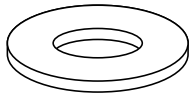


AB-100
Springless Nut



E-142
Hex Head Cap Screw

E-145
Standard Hex Nut



EF-147
Fender Washer

J
Superstrut®

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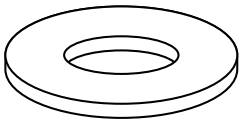
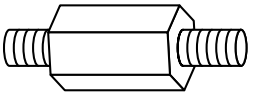
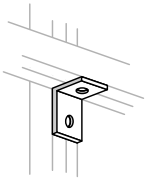
Type #304 Stainless Steel Products (SS Suffix)



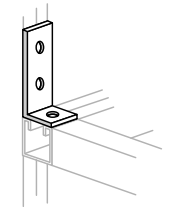
E-147
Flat Steel Washer



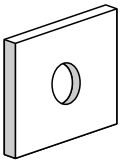
H-119
Rod Coupling



AB-201

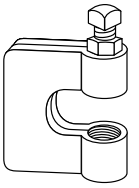


AB-205



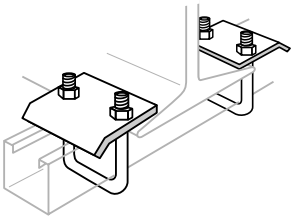
AB-241

Cat. No.	Rod Size	Std. Ctn.
AB-241-1/4	¼	100
AB-241-3/8	⅜	100
AB-241-1/2	½	100



C-775L – Clamp with Lock Nut

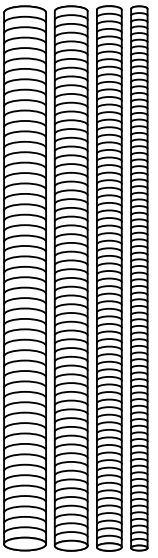
Cat. No.	Rod Size	A	B	C	D	Design Load, lbs.	Std. Ctn.
C-775L	⅜	⅜	¾	2⅜	2⅜	400	100
	½	2⅜	2 5⁄16	2 5⁄16	2⅜	500	100



U-501, U-502

Cat. No.	For Channel	A	Std. Ctn.
U-501	A-1200 A-1400	3 3⁄16	20
	B-1200 B-1400		
	C-1200 B-1402		
U-502	A-1202 A-1402	4 13⁄16	20
	C-1202 H-1200		

Furnished complete.
Design Load U-501 - 2150 lbs
U-502 - 3000 lbs



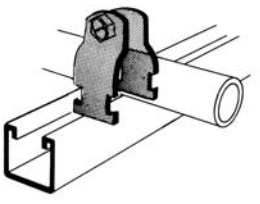
H-104 & R Series Rod

Hanger Rod
Continuous Threaded

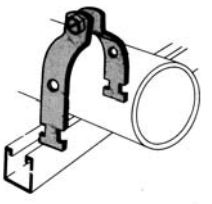
NATIONAL COARSE THREAD

Cat. No.	Size	Threads per inch	Design Load	Std. Ctn.
H-104-1-1/4	1¼	20	150	500
H-104-3/8	⅜	16	610	500
H-104-1/2	½	13	1130	500
H-104-5/8	⅝	11	1810	500
H-104-3/4	¾	10	2710	500
H-104-7/8	⅞	9	3770	500
H-104-1	1	8	4960	500

Standard lengths 12' only



701
Series



702
Pipe and Rigid or IMC Conduit Clamp

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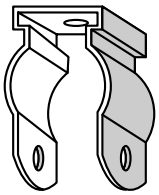
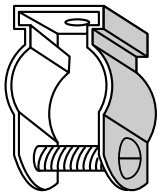
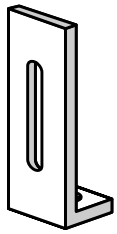
Type #304 Stainless Steel Products (SS Suffix)

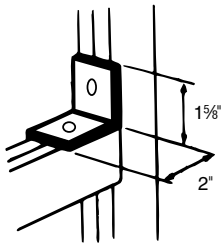




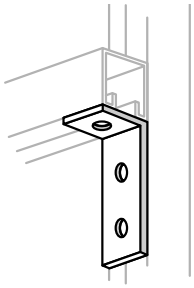
6H Series **6H-B Series**
Conduit and Pipe Hanger



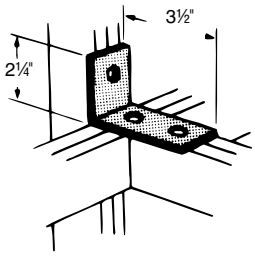
X-201



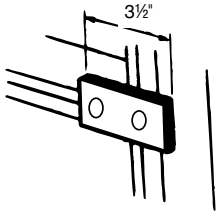
AB-202



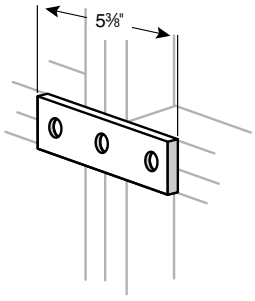
AB-203



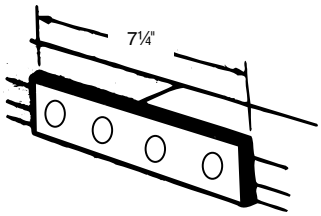
AB-204



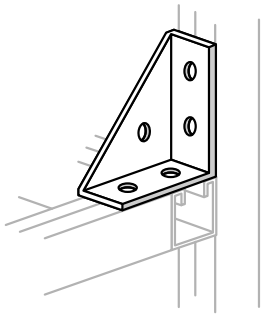
AB-206



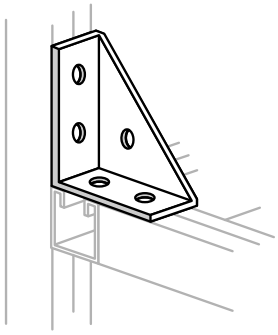
AB-207



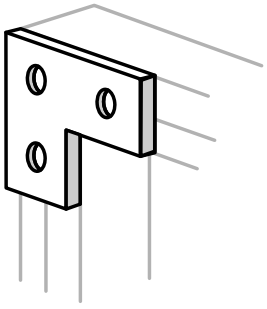
X-207



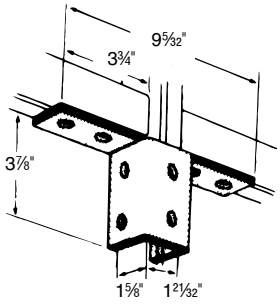
AB-213



AB-214



AB-219



AW-219

J
Superstrut®

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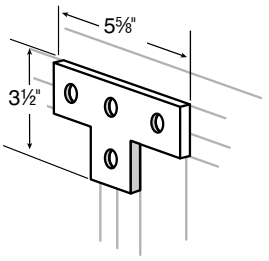
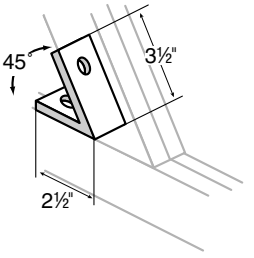
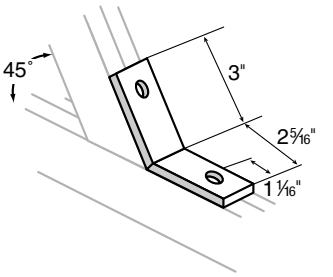
Type #304 Stainless Steel Products (SS Suffix)



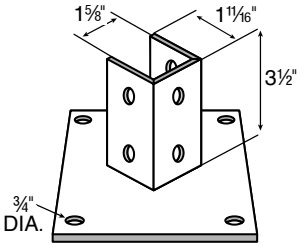
AB-220



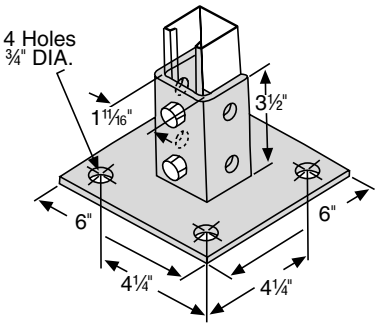
AB-225



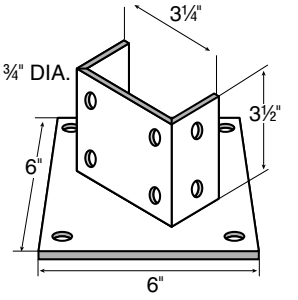
SPAB-227



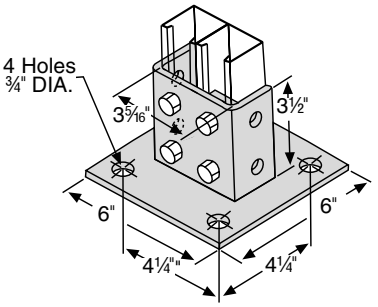
AP-232



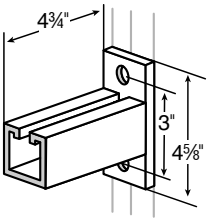
AP-232SQ



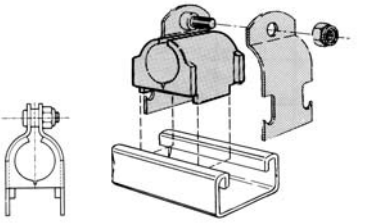
AP-235



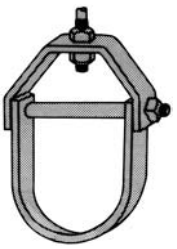
AP-235SQ



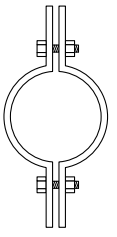
S-250
A is in lengths: 6,12,18, & 24.
May be installed inverted with no change in load ratings. Strut section made from half slot channel.



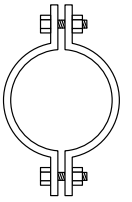
A-716
Cushioned Clamp Tube Series



C-710 Series
Standard Clevis



C-710 Series
Standard Clevis



C-725

C-727
Standard Ring Hanger

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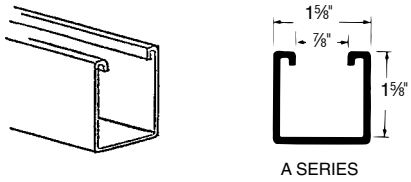
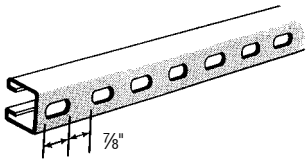
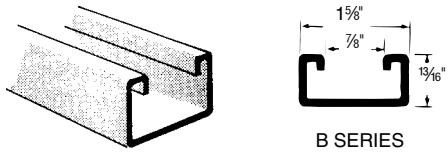
Type #316 Stainless Steel Products (T316SS Suffix)



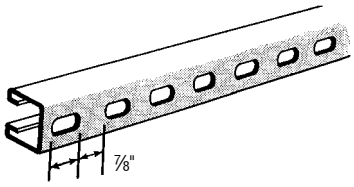
A-1200-T316SS



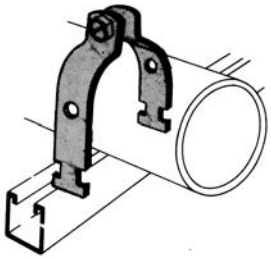
A-1200-HS-T316SS



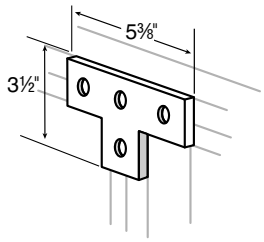
B-1400-T316SS



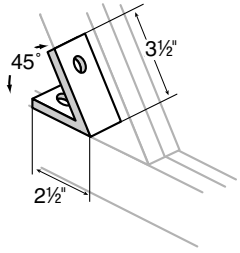
B-1400-HS-T316SS



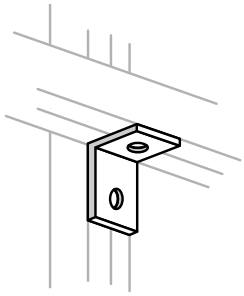
702
Pipe and Rigid or IMC
Conduit Clamp



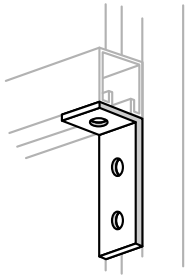
AB-220



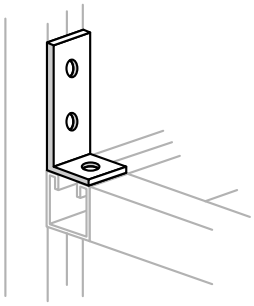
AB-225



AB-201



AB-203



AB-205

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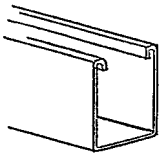
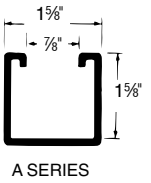
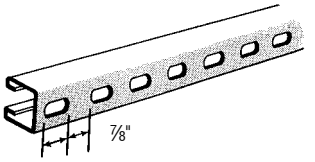
White Painted Products for the Computer Industry (WH Suffix)



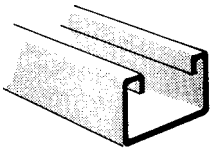


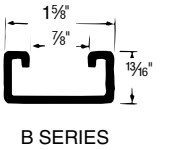
A SERIES

A-1200



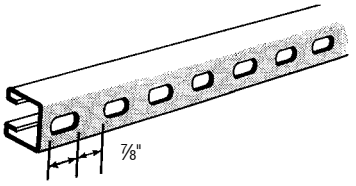
A-1200-HS



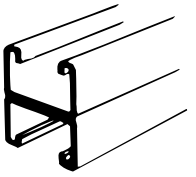


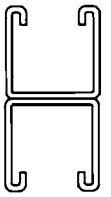
B SERIES

B-1400

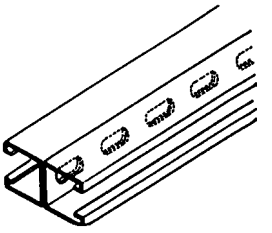


B-1400-HS

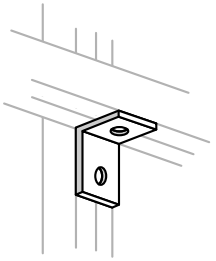




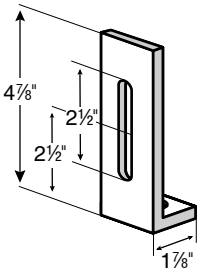
A-1202



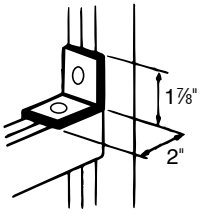
A-1202-HS



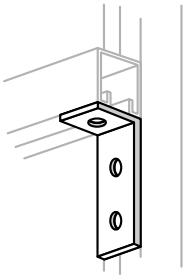
AB-201



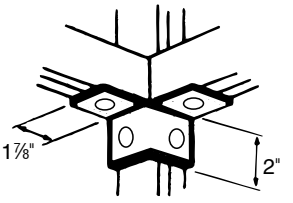
AB-201



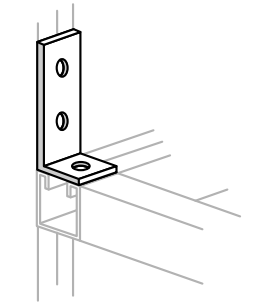
AB-219



AB-203



AW-204



AB-205

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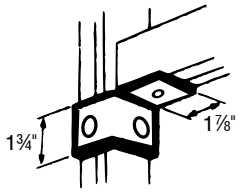
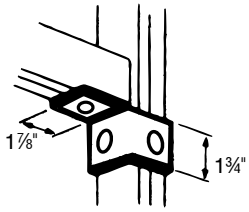
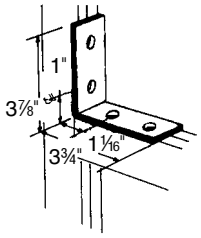
White Painted Products for the Computer Industry (WH Suffix)



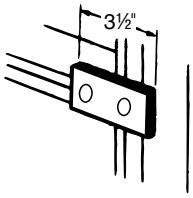
AW-205L



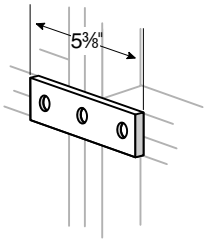
AW-205-R



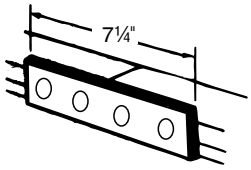
N-205



AB-206

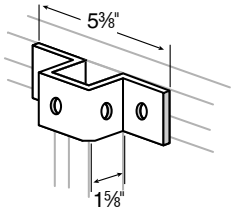


AB-207

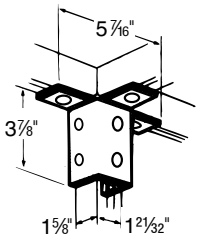


X-207

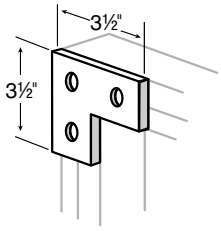
J



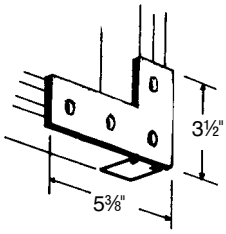
A-210
For attaching A Series channel.



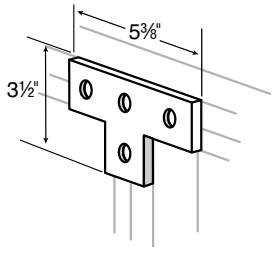
A-218



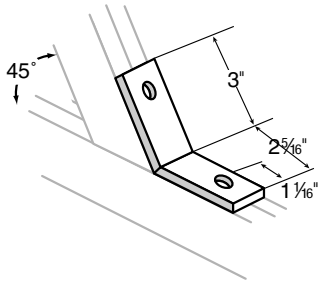
AB-219



N-219



AB-220



AB-227-WH

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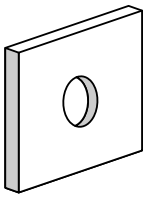
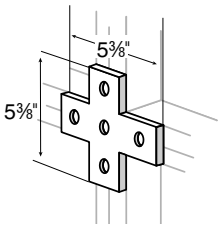
White Painted Products for the Computer Industry/Clean Room Applications (WH Suffix)



AB-241

Cat. No.	Rod Size	Std. Ctn.
AB-241-1/4	¼	100
AB-241-3/8	⅜	100
AB-241-1/2	½	100



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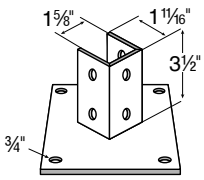
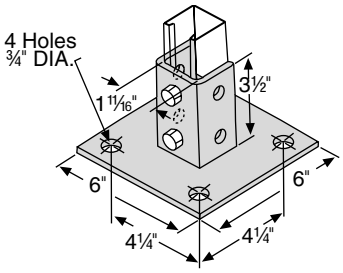


AP-232



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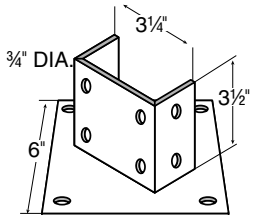
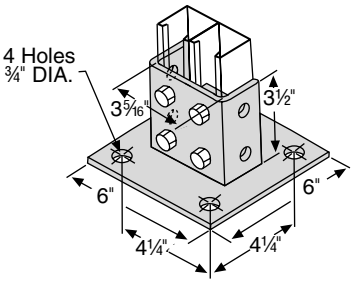


AP-235



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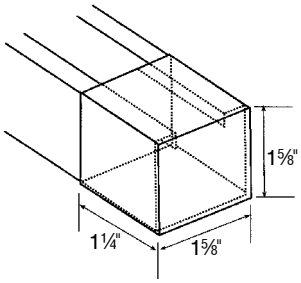
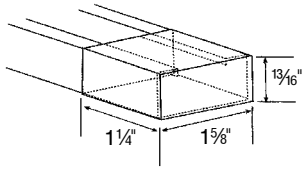
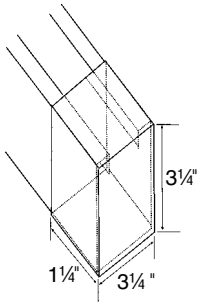


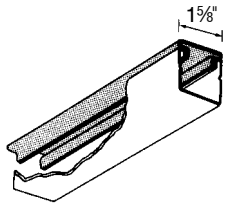
A804 NEOP WH
1⅝" x 1⅝"
White Plastisol End-Cap



B804 NEOP WH
1⅝" x 1 13/16"
White End-Cap



H804 NEOP WH
1⅝" x 3¼"
White Plastisol End-Cap



SPAB-844-PC – White
White Closure Strip
For all channels.

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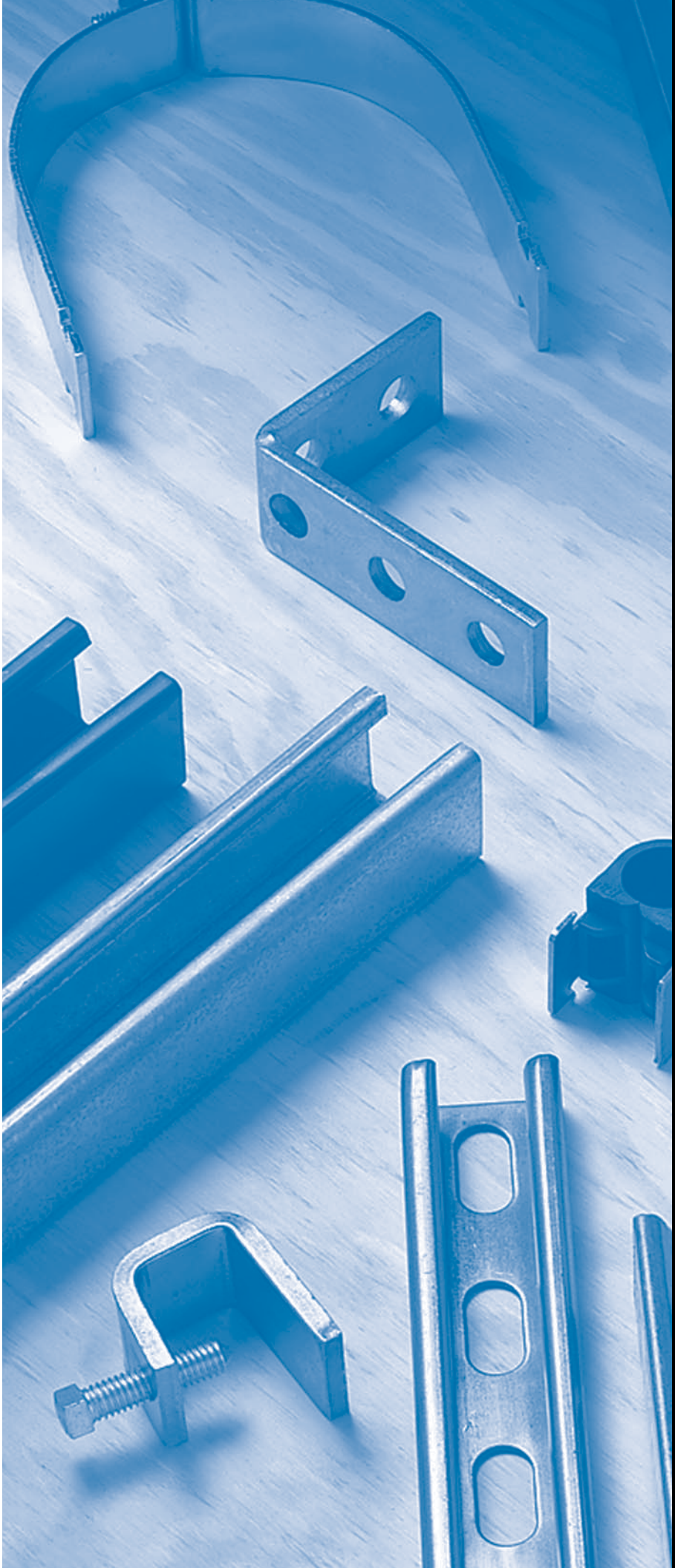

Superstrut®

Slotted Angle Metal Framing . . . . . J120 - J122

J

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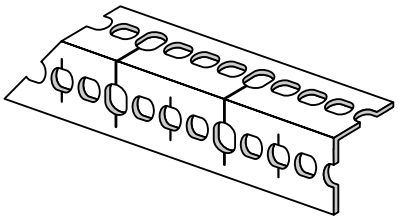


With Superangle you get Flexibility – Simplicity – Economy

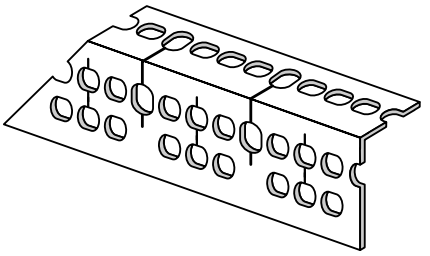
Create the support framing you need.

Superangle is manufactured from structural quality steel in three different sizes. The small sizes are 14 ga. steel, the larger size is 12 ga. steel. With this offering, an endless variety of metal framing requirements can be met, from light weight supporting needs to larger shelving for inventory storage.

One of the legs on all sizes are 1⅝" wide, while the other is either 1⅝", 2⅜" or 3⅛" long. Depending on the frame requirements, a single size can be utilized throughout, or the sizes can be interchanged to get the most efficient usage from the material.

Installation time is reduced – inventory space is minimal.

Scribe marks are placed every ¾" which saves planning, layout and cutting time and provides accuracy. The exclusive slot and hole pattern, repeated every 3", is scientifically designed for ease of assembly. The proper nuts and bolts are included with the material to ensure fast and easy erection.



Superangle Metal Framing is packaged in 10' and 12' lengths to minimize cutoffs and ensure maximum use of material.

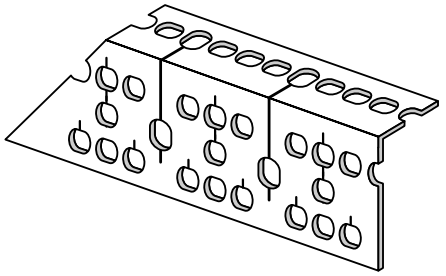
120 feet, ten, 12 foot lengths of Superangle takes up the same amount of space as one 2 x 4. A standard package includes 5 pieces to a bundle, therefore handling and storage space are significantly reduced.

The importance of cutting Superangle easily, quickly and accurately is the key to time saving assembly. The Portable Cutter provides these advantages and makes layout and erection of any structure a light-work job.

Finish is designed for long lasting durability.

The standard GoldGalv® hardware finish is applied to all Superangle after rolling and punching of the holes. This provides you with a number of benefits. First, raw ends resulting from cuts will be protected by the sacrificial quality of zinc. Second, the edges of all holes are protected against formation of rust, to provide a call back free installation. Third, the electrogalvanizing provides an excellent bonding surface for paint if desired for aesthetic reasons.

Note: Product is also available with pre galvanized (PG) sections.



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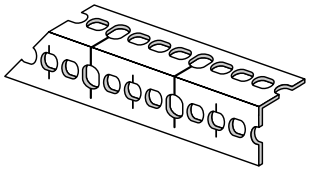
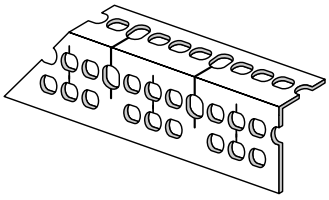
Superangle Slotted Angle Metal Framing



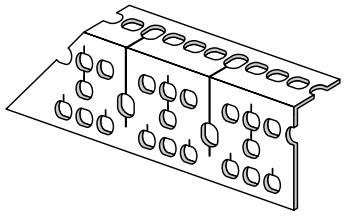
RA-160
14 Gauge

Cat. No.	LG.	FT.	Std. Ctn.
RA-160-10	10'	50	1000
RA-160-12	12'	60	1200
RA-225-10	10'	50	1000
RA-225-12	12'	60	1200
RA-300-10	10'	50	1000
RA-300-12	12'	60	1200

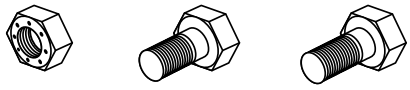
5 LGS. 36 Nuts and Bolts



RA-225
14 Gauge

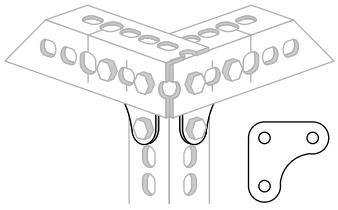


RA-300
12 Gauge

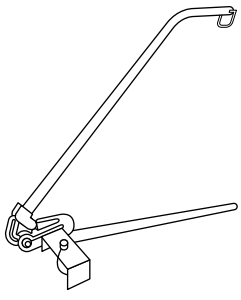


EXTRA NUTS AND BOLTS

Cat. No.	PACKAGE 100 SETS	Std. Ctn.
RA-BN-5/8 Use with RA-160 & RA-225	⅜" - 16 x ⅝" lg.	100
RA-BN-3/4 Use with RA-300	⅜" - 16 x ¾" lg.	100

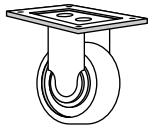


RA-GP
Gusset Plate
For extra rigid assembly

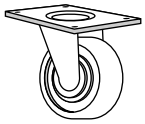


RA-C
Portable Cutter

Cat. No.	Package	Std. Ctn.
RA-GP	25	100
RA-RC	2	2
RA-SC	2	2
RA-C	1	1



RA-RC



RA-SC

Rigid & Swivel Casters
Hard rubber composition 3½" dia. with load rating of 225 lbs. per wheel.

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Notes

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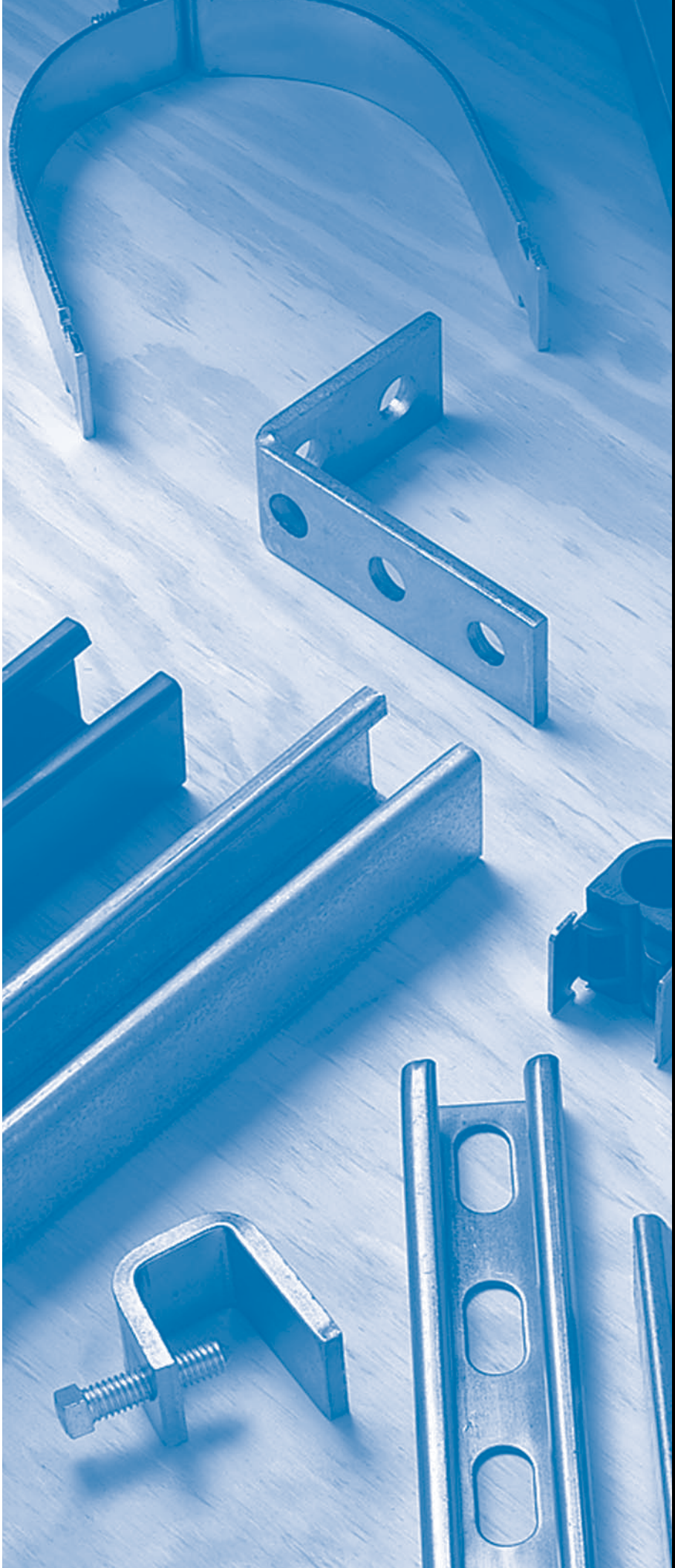

Superstrut®

Metal Framing Engineering Data
& Specifications . . . . . J124 - J146

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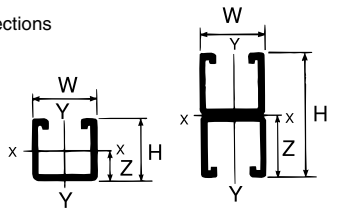
Design Data – Metal Framing Channel

Elements of Sections



Single Channels Double Channels

Nominal Thickness (inches)

12 GA = .105
14 GA = .075
16 GA = .060

I - Moment of inertia
S - Section of Modulas
r - Radius of Gyration
Z - Nominal Axis
A - Area

Table 1 – Properties for Design: SINGLE CHANNEL

Cat. No.	H in	W in.	A in.2	X-X AXIS I in.⁴	S in.³	r in.	Z in.	Y-Y AXIS I in.⁴	S in.³	r in.
A-1200	1.625	1.625	.557	.192	.212	.587	.719	.237	.292	.652
B-1200	.813	1.625	.381	.031	.063	.283	.331	.137	.168	.600
C-1200	1.375	1.625	.500	.121	.155	.492	.595	.205	.252	.640
E-1200	2.438	1.625	.726	.529	.399	.853	1.112	.335	.413	.679
H-1200	3.250	1.625	.897	1.100	.635	1.107	1.507	.436	.536	.697
A-1400	1.625	1.625	.401	.134	.146	.577	.707	.184	.226	.677
B-1400	.813	1.625	.280	.024	.051	.295	.338	.103	.127	.607

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Superstrut®

Table 1 – Properties for Design: DOUBLE CHANNEL

Cat. No.	H in	W in.	A in.²	X-X AXIS I in.⁴	S in.³	r in.	Z in.	Y-Y AXIS I in.⁴	S in.³	r in.
A-1202	3.250	1.625	1.114	.948	.583	.992	1.625	.474	.584	.652
B-1202	1.626	1.625	.762	.147	.181	.439	.813	.274	.337	.600
C-1202	2.750	1.625	1.000	.595	.433	.772	1.375	.409	.504	.640
E-1202	4.876	1.625	1.450	2.854	1.171	1.402	2.438	.672	.827	.680
H-1202	6.500	1.625	1.794	6.273	1.930	1.870	3.250	.871	1.072	.697
A-1402	3.250	1.625	.801	.668	.411	.913	1.625	.367	.452	.677
B-1402	1.626	1.625	.560	.112	.138	.447	.813	.206	.254	.607

Table 2

Load ratings for ½" strut nuts used in Superstrut Channel

If connections will be subjected to dynamic or seismic loading conditions, contact the factory for design assistance.

Channel No.	Slip Resistance lbs.	Pull Out Strength lbs.
A-1200	1500	2000
C-1200	1500	2000
B-1200	1400	1400
A-1400	1000	1400
B-1400	1000	1400

Safety Factor of 3

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Table 3

Design loads for channel used as beam or column

BEAM LOADS

Table 3 contains simple beam, uniformly-distributed loads calculated at 25,000 psi fiber stress. Beam loads are based on channel being loaded across the x-x axis. Loads are also listed at reduced deflections for long spans.

Maximum loads @ 25,000 psi stress

Maximum allowable deflections and maximum uniform loads for all spans @ 25,000 psi fiber stress.

Reduced load for all 1/180 Span Deflection

For moderate deflections on the longer spans, reduced loads are listed which will produce a deflection equal to 1/180 of the span. When maximum loads do not induce deflections exceeding 1/180 x the span length reduced loads are not required.

Reduced load for 1/360 Span Deflection

For very slight deflections on the longer spans, reduced loads are listed which will produce a deflection equal to 1/360 of the span. When maximum loads do not induce deflections exceeding 1/360 x the span length reduced loads are not required.

Concentrated loads

To obtain values for concentrated loads from Table 3, multiply uniform load by 0.5 and deflection by 1.25.

Slotted, Punched, or KO Channel

Reduce load rating 5%.

Long span deep beams

Support in a manner to prevent rotation at supports and tie between supports to prevent twist.

COLUMN LOADS

Allowable column loads given are for uniform axial loading with pinned ends. For eccentric loading or other end conditions reduce allowable loads according to standard engineering practice.

DYNAMIC LOADS

Allowable dynamic loads may be calculated by dividing the static loads shown in Table 3, by 2.08.

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Design Data – Metal Framing Channel Table 3 – (Continued)

SINGLE CHANNEL

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
12" BEAM OR COLUMN									
A-1200	1⅝	12	3,534	.014		.067		.033	10,533
B-1200	13/16	12	1,050	.026		.067		.033	6,683
C-1200	1⅜	12	2,584	.016		.067		.033	9,345
E-1200	2 7/16	12	6,650	.010		.067		.033	13,830
H-1200	3¼	12	10,583	.008		.067		.033	17,106
A-1400	1⅝	14	2,434	.015		.067		.033	7,575
B-1400	13/16	14	850	.028		.067		.033	4,950
18" BEAM OR COLUMN									
A-1200	1⅝	12	2,355	.033		.100		.050	10,2100
B-1200	13/16	12	700	.059		.100		.050	6,058
C-1200	1⅜	12	1,723	.038		.100		.050	8,970
E-1200	2 7/16	12	4,434	.023		.100		.050	13,482
H-1200	3¼	12	7,055	.016		.100		.050	16,693
A-1400	1⅝	14	1,623	.031		.100		.050	7,334
B-1400	13/16	14	566	.063		.100	453	.050	4,150
24" BEAM OR COLUMN									
A-1200	1⅝	12	1,766	.058		.133		.067	9,842
B-1200	13/16	12	525	.105		.133	333	.067	5,315
C-1200	1⅜	12	1,291	.066		.133		.067	8,545
E-1200	2 7/16	12	3,325	.039		.133		.067	13,082
H-1200	3¼	12	5,291	.030		.133		.067	16,277
A-1400	1⅝	14	1,216	.056		.133		.067	7,058
B-1400	13/16	14	425	.110		.133	258	.067	4,000
30" BEAM OR COLUMN									
A-1200	1⅝	12	1,414	.089		.167		.083	9,419
B-1200	13/16	12	420	.164		.167	266	.083	4,465
C-1200	1⅜	12	1,034	.104		1.67	1,040	.083	8,060
E-1200	2 7/16	12	2,660	.063		.167		.083	12,640
H-1200	3¼	12	4,234	.046		.167		.083	15,698
A-1400	1⅝	14	974	.088		.167		.083	6,753
B-1400	13/16	14	340	.172		.167	165	.083	3,420

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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Design Data – Metal Framing Channel Table 3 – (Continued)

DOUBLE CHANNEL (Single Channels welded back-to-back)

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
12" BEAM OR COLUMN									
A-1202	3¼	12		.008		.067		.033	21,177
B-1202	1⅝	12	3,016	.016		.067		.033	14,110
C-1202	2¾	12		.010		.067		.033	18,990
E-1202	4⅞	12		.005		.067		.033	27,623
H-1202	6½	12		.004		.067		.033	34,210
A-1402	3¼	14		.008		.067		.033	15,250
B-1402	1⅝	14	2,300	.016		.067		.033	10,390
18" BEAM OR COLUMN									
A-1202	3¼	12		.018		.100		.050	20,609
B-1202	1⅝	12	2,011	.036		.100		.050	13,440
C-1202	2¾	12	4,811	.021		.100		.050	18,470
E-1202	4⅞	12		.013		.100		.050	16,926
H-1202	6½	12		.009		.100		.050	33,390
A-1402	3¼	14		.018		.100		.050	14,867
B-1402	1⅝	14	1,534	.036		.100		.050	9,910
24" BEAM OR COLUMN									
A-1202	3¼	12	4,858	.031		.133		.067	19,974
B-1202	1⅝	12	1,509	.064		.133		.067	12,670
C-1202	2¾	12	3,609	.038		.133		.067	17,890
E-1202	4⅞	12		.021		.133		.067	26,143
H-1202	6½	12		.016		.133		.067	32,435
A-1402	3¼	14	3,425	.033		.133		.067	14,426
B-1402	1⅝	14	1,150	.064		.133		.067	9,350
30" BEAM OR COLUMN									
A-1202	3¼	12	3,886	.049		.167		.083	19,261
B-1202	1⅝	12	1,206	.100		.167		.083	11,803
C-1202	2¾	12	2,886	.059		.167		.083	17,230
E-1202	4⅞	12	7,806	.034		.167		.083	25,259
H-1202	6½	12		.025		.167		.083	31,395
A-1402	3¼	14	2,740	.050		.167		.083	13,937
B-1402	1⅝	14	920	.100		.167		.083	8,730

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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Design Data – Metal Framing Channel Table 3 – (Continued)

SINGLE CHANNEL

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
36" BEAM OR COLUMN									
A-1200	1⅝	12	1,178	.129		.200	917	.100	8,962
B-1200	13/16	12	350	.236		.200	148	.100	3,498
C-1200	1⅜	12	861	.149		.200	578	.100	7,525
E-1200	2 7/16	12	2,216	.088		.200		.100	12,160
H-1200	3¼	12	3,528	.068		.200		.100	15,132
A-1400	1⅝	14	811	.126		.200	640	.100	6,416
B-1400	13/16	14	284	.248		.200	115	.100	2,755
42" BEAM OR COLUMN									
A-1200	1⅝	12	1,010	.175		.233	674	.117	8,466
B-1200	13/16	12	300	.323	217	.233	109	.117	2,579
C-1200	1⅜	12	738	.203		.233	425	.117	6,945
E-1200	2 7/16	12	1,900	.120		.233		.117	11,698
H-1200	3¼	12	3,024	.091		.233		.117	14,514
A-1400	1⅝	14	695	.160		.233	470	.117	6,051
B-1400	13/16	14	243	.336	168	.233	84	.117	2,060
48" BEAM OR COLUMN									
A-1200	1⅝	12	884	.228		.267	516	.133	7,943
B-1200	13/16	12	263	.420	167	.267	83	.133	1,981
C-1200	1⅜	12	646	.265		.267	325	.133	6,325
E-1200	2 7/16	12	1,663	.156		.267		.133	11,092
H-1200	3¼	12	2,646	.120		.267		.133	13,850
A-1400	1⅝	14	609	.120		.267	360	.133	5,658
B-1400	13/16	14	213	.440	129	.267	64	.133	1,580
54" BEAM OR COLUMN									
A-1200	1⅝	12	785	.289		.300	408	.150	7,369
B-1200	13/16	12	234	.533	132	.300	66	.150	1,555
C-1200	1⅜	12	574	.335		.300	257	.150	5,650
E-1200	2 7/16	12	1,478	.198		.300	1,123	.150	10,505
H-1200	3¼	12	2,351	.151		.300		.150	13,150
A-1400	1⅝	14	541	.286		.300	284	.150	5,241
B-1400	13/16	14	189	.556	102	.300	51	.150	1,250

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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Design Data – Metal Framing Channel Table 3 – (Continued)

DOUBLE CHANNEL (Single Channels welded back-to-back)

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
36" BEAM OR COLUMN									
A-1202	3¼	12	3,239	.071		.200		.100	18,470
B-1202	1⅝	12	1,005	.144		.200	702	.100	10,840
C-1202	2¾	12	2,400	.085		.200		.100	16,500
E-1202	4⅞	12	6,505	.048		.200		.100	24,316
H-1202	6½	12		.036		.200		.100	30,265
A-1402	3¼	14	2,284	.071		.200		.100	13,416
B-1402	1⅝	14	766	.144		.200	535	.100	8,050
42" BEAM OR COLUMN									
A-1202	3¼	12	2,776	.098		.233		.117	17,635
B-1202	1⅝	12	863	.195		.233	516	.117	9,790
C-1202	2¾	12	2,063	.115		.233		.117	15,730
E-1202	4⅞	12	5,576	.065		.233		.117	23,272
H-1202	6½	12	9,190	.049		.233		.117	29,025
A-1402	3¼	14	1,958	.225		.233		.117	12,832
B-1402	1⅝	14	658	.195		.233	393	.117	7,300
48" BEAM OR COLUMN									
A-1202	3¼	12	2,429	.128		.267		.133	16,730
B-1202	1⅝	12	754	.255		.267	395	.133	8,640
C-1202	2¾	12	1,804	.151		.267		.133	14,890
E-1202	4⅞	12	4,879	.085		.267		.133	22,170
H-1202	6½	12	8,041	.064		.267		.133	27,700
A-1402	3¼	14	1,713	.128		.267		.133	12,223
B-1402	1⅝	14	575	.255		.267	301	.133	6,480
54" BEAM OR COLUMN									
A-1202	3¼	12	2,159	.161		.300		.150	15,763
B-1202	1⅝	12	670	.323		.300	312	.150	7,405
C-1202	2¾	12	1,604	.190		.300	1,263	.150	13,990
E-1202	4⅞	12	4,338	.108		.300		.150	20,980
H-1202	6½	12	7,149	.081		.300		.150	16,280
A-1402	3¼	14	1,523	.161		.300		.150	11,566
B-1402	1⅝	14	511	.323		.300	238	.150	5,580

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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Design Data – Metal Framing Channel Table 3 – (Continued)

SINGLE CHANNEL

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
60" BEAM OR COLUMN									
A-1200	1⅝	12	706	.358		.333	330	.167	6,762
B-1200	13/16	12	210	.658	107	.333	53	.167	-
C-1200	1⅜	12	516	.414		.333	208	.167	4,920
E-1200	2 7/16	12	1,330	.244		.333	909	.167	9,874
H-1200	3¼	12	2,116	.186		.333		.167	12,406
A-1400	1⅝	14	486	.353		.333	231	.167	4,792
B-1400	13/16	14	170	.687	82	.333	41	.167	-
66" BEAM OR COLUMN									
A-1200	1⅝	12	643	.432		.367	273	.183	6,127
B-1200	13/16	12	191	.795	88	.367	44	.183	-
C-1200	1⅜	12	470	.501	344	.367	172	.183	4,145
E-1200	2 7/16	12	1,210	.295		.367	753	.183	9,211
H-1200	3¼	12	1,924	.226		.367		.183	11,616
A-1400	1⅝	14	443	.426		.367	190	.183	4,311
B-1400	13/16	14	155	.831	68	.367	35	.183	-
72" BEAM OR COLUMN									
A-1200	1⅝	12	589	.514	459	.400	299	.200	5,436
B-1200	13/16	12	175	.946	74	.400	37	.200	-
C-1200	1⅜	12	430	.595	289	.400	144	.200	3,485
E-1200	2 7/16	12	1,108	.351		.400	632	.200	8,509
H-1200	3¼	12	1,839	.269		.400	1,313	.200	10,782
A-1400	1⅝	14	405	.506	320	.400	160	.200	3,809
B-1400	13/16	14	141	.989	57	.400	29	200	-
84" BEAM OR COLUMN									
A-1200	1⅝	12	505	.700	337	.467	168	.233	4,061
B-1200	13/16	12			54	.467	27	.233	-
C-1200	1⅜	12	369	.811	212	.467	106	.233	2,565
E-1200	2 7/16	12	950	.479		.467	464	.233	6,991
H-1200	3¼	12	1,513	.366		.467	965	.233	8,988
A-1400	1⅝	14	348	.691	235	.467	118	.233	2,827
B-1400	13/16	14			42	.467	21	.233	-

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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Design Data – Metal Framing Channel Table 3 – (Continued)

DOUBLE CHANNEL (Single Channels welded back-to-back)

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
60" BEAM OR COLUMN									
A-1202	3¼	12	1,944	.199		.33		.167	14,738
B-1202	1⅝	12	604	.398		.333	253	.167	6,100
C-1202	2¾	12	1,444	.235		.333	1,023	.167	13,050
E-1202	4⅞	12	3,904	.133		.333		.167	19,734
H-1202	6½	12	6,434	.100		.333		.167	24,810
A-1402	3¼	14	1,370	.199		.333		.167	10,878
B-1402	1⅝	14	460	.399		.333	193	.167	4,640
66" BEAM OR COLUMN									
A-1202	3¼	12	1,766	.240		.367	1,347	.183	13,646
B-1202	1⅝	12	549	.481	418	.367	209	.183	5,055
C-1202	2¾	12	1,313	.285		.367	846	.183	12,030
E-1202	4⅞	12	3,549	.180		.367		.183	18,415
H-1202	6½	12	5,849	.120		.367		.183	23,230
A-1402	3¼	14	1,245	.241		.367	949	.183	10,133
B-1402	1⅝	14	419	.483	318	.367	159	.183	3,840
72" BEAM OR COLUMN									
A-1202	3¼	12	1,620	.286		.400	1,132	.200	12,500
B-1202	1⅝	12	503	.574	351	.400	176	.200	4,230
C-1202	2¾	12	1,203	.339		.400	710	.200	10,980
E-1202	4⅞	12	3,253	.191		.400		.200	17,023
H-1202	6½	12	5,361	.143		.400		.200	21,560
A-1402	3¼	14	1,141	.286		.400	798	.200	9,340
B-1402	1⅝	14	384	.574	267	.400	134	.200	3,220
84" BEAM OR COLUMN									
A-1202	3¼	12	1,388	.390		.467	832	.233	9,992
B-1202	1⅝	12	431	.780	258	.467	129	.233	3100
C-1202	2¾	12	1,031	.461		.467	522	.233	8,670
E-1202	4⅞	12	2,788	.260		.467		.233	13,993
H-1202	6½	12	4,595	.195		.467		.233	17,975
A-1402	3¼	14	979	.390		.467	586	.233	7,682
B-1402	1⅝	14	329	.781	197	.467	98	.233	2,370

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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Design Data – Metal Framing Channel Table 3 – (Continued)

SINGLE CHANNEL

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
96" BEAM OR COLUMN									
A-1200	1⅝	12	441	.914	258	.533	129	.267	3,108
B-1200	13⁄16	12			42	.533	21	.267	-
C-1200	1⅜	12	323	1.059	163	.533	81	.267	1,960
E-1200	2 7⁄16	12	831	.730		.533	355	.267	5,423
H-1200	3¼	12	1,323	.478		.533	739	.267	7,059
A-1400	1⅝	14	304	.903	180	.533	90	.267	2,615
	13⁄16	14			32	.533	16	.267	-
108" BEAM OR COLUMN									
A-1200	1⅝	12	393	1.156	204	.600	102	.300	2,456
B-1200	13⁄16	12			33	.600	16	.300	-
C-1200	1⅜	12	288	1.350	128	.600	64	.300	-
E-1200	2 7⁄16	12	739	.790	561	.600	281	.300	4,291
H-1200	3¼	12	1,176	.605		.600	584	.300	5,579
A-1400	1⅝	14	270	1.141	142	.600	71	.300	1,708
B-1400	13⁄16	14			25	.600	13	.300	-
120" BEAM OR COLUMN									
A-1200	1⅝	12	354	1.425	165	.667	83	.333	-
B-1200	13⁄16	12			27	.667	13	.333	-
C-1200	1⅜	12	259	1.663	104	.667	52	.333	-
E-1200	2 7⁄16	12	665	.976	455	.667	227	.333	3,478
H-1200	3¼	12	1,059	.746		.667	473	.333	4,521
A-1400	1⅝	14	244	1.413	114	.667	57	.333	-
B-1400	13⁄16	14			21	.667	10	.33	-
144" BEAM OR COLUMN									
A-1200	1⅝	12			115	.800	57	.400	-
C-1200	1⅜	12			72	.800	36	.400	-
E-1200	2 7⁄16	12	554	1.400	315	.800	158	.400	-
H-1200	3¼	12	883	1.075	657	.800	328	.400	-
A-1400	1⅝	14			80	.800	40	.400	-

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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Design Data – Metal Framing Channel Table 3 – (Continued)

DOUBLE CHANNEL (Single Channels welded back-to-back)

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
96" BEAM OR COLUMN									
A-1202	3¼	12	1,215	.509		.533	637	.267	7,675
B-1202	1⅝	12	378	1.019	197	.533	99	.267	-
C-1202	2¾	12	903	.603		.533	400	.267	6,640
E-1202	4⅞	12	2,440	.340		.533	1,917	.267	10,875
H-1202	6½	12	4,021	.255		.533		.267	14,120
A-1402	3¼	14	856	.509		.533	449	.267	5,951
B-1402	1⅝	14	288	1.020	150	.533	75	.267	-
108" BEAM OR COLUMN									
A-1202	3¼	12	1,080	.644		.600	503	.300	6,071
B-1202	1⅝	12	355	1,290	156	.600	78	.300	-
C-1202	2¾	12	801	.763	632	.600	316	.300	5,250
E-1202	4⅞	12	2,169	.430		.600	1,515	.300	8,599
H-1202	6½	12	3,574	.323		.600		.300	11,160
A-1402	3¼	14	761	.644		.600	355	.300	4,702
B-1402	1⅝	14	255	1.290	119	.600	59	.300	-
120" BEAM OR COLUMN									
A-1202	3¼	12	971	.795		.667	408	.333	-
B-1202	1⅝	12	301	1.588	126	.667	63	.333	-
C-1202	2¾	12	721	.941	512	.667	256	.333	4,250
E-1202	4⅞	12	1,951	.531		.667	1,227	.333	6,946
H-1202	6½	12	3,216	.398		.667		.333	9,040
A-1402	3¼	14	685	.796		.667	287	.333	3,805
B-1402	1⅝	14	230	1.600	96	.667	48	.333	-
144" BEAM OR COLUMN									
A-1202	3¼	12	810	1.145	566	.800	283	.400	-
B-1202	1⅝	12			88	.800	44	.400	-
C-1202	2¾	12	601	1.350	355	.800	178	.400	-
E-1202	4⅞	12	1,626	.764		.800	852	.400	-
H-1202	6½	12	2,680	.573		.800	1,873	.400	-
A-1402	3¼	14	571	1.146	399	.800	199	.400	-
B-1402	1⅝	14			67	.800	33	.400	-

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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Design Data – Metal Framing Channel Table 3 – (Continued)

SINGLE CHANNEL

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
168" BEAM OR COLUMN									
A-1200	1⅝	12			84	.933	42	.467	-
-									
C-1200	1⅜	12			53	.933	27	.467	-
E-1200	2⅞	12	475	1.912	233	.933	116	.467	-
H-1200	3¼	12	756	1.463	482	.933	241	.467	-
A-1400	1⅝	14			60	.933	30	.467	-
-									
192" BEAM OR COLUMN									
-									
-									
-									
E-1200	2⅞	12			178	1.07	89	.533	-
H-1200	3¼	12	661	1.91	369	1.07	185	.533	-
-									
-									
216" BEAM OR COLUMN									
-									
-									
-									
E-1200	2⅞	12			140	1.20	70	.600	-
H-1200	3¼	12			292	1.20	146	.600	-
-									
-									
240" BEAM OR COLUMN									
-									
-									
-									
E-1200	2⅞	12			114	.334	57	.667	-
H-1200	3¼	12			236	.334	118	.667	-
-									
-									

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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Design Data – Metal Framing Channel Table 3 – (Continued)

DOUBLE CHANNEL (Single Channels welded back-to-back)

Cat. No.	Depth	Ga.	Maximum Uniform Load	Maximum Uniform Defl.	1/180 Span Load	1/180 Span Defl.	1/360 Span Load	1/360 Span Defl.	Col. Load
168" BEAM OR COLUMN									
A-1202	3¼	12	694	1.563	916	.933	208	.467	-
B-1202	1⅝	12			64	.933	32	.467	-
C-1202	2¾	12	515	1.850	261	.933	130	.467	-
E-1202	4⅞	12	1,394	1.040	1,255	.933	626	.467	-
H-1202	6½	12	2,298	.780		.933	1,326	.467	-
A-1402	3¼	14	489	1.563	293	.933	147	.467	-
B-1402	1⅝	14			49	.933	25	.467	-
192" BEAM OR COLUMN									
A-1202	3¼	12			318	1.07	159	.533	-
-									
C-1202	2¾	12			200	1.07	100	.533	-
E-1202	4⅞	12	1,220	1.363	958	1.07	479	.533	-
H-1202	6½	12	2,010	1.019		1.07	1,053	.533	-
A-1402	3¼	14			224	1.07	112	.533	-
-									
216" BEAM OR COLUMN									
A-1202	3¼	12			252	1.20	126	.600	-
-									
C-1202	2¾	12			158	1.20	79	.600	-
E-1202	4⅞	12	1,084	1.725	757	1.20	379	.600	-
H-1202	6½	12	1,788	1.288		1.20	832	.600	-
A-1402	3¼	14			177	1.20	89	.600	-
-									
240" BEAM OR COLUMN									
A-1202	3¼	12			204	1.33	102	.667	-
-									
C-1202	2¾	12			128	1.33	64	.667	-
E-1202	4⅞	12			613	1.33	307	.667	-
H-1202	6½	12	1,609	1.588		1.33	674	.667	-
A-1402	3¼	14			144	1.33	72	.667	-
-									

When no numbers are shown, use the maximum uniform load. Deflections are given in inches; loads in lbs.

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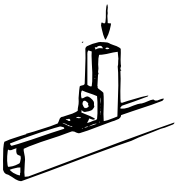
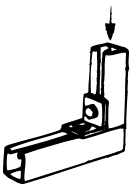
Design Data - Metal Framing Channel

Table 4

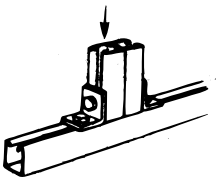
Safe bearing loads for 1⅝" channel and combinations.



Section	Recommended Load in lbs.
A-1200	5000
A-1400	3500
B-1200	6000
B-1400	3400
C-1200	5000
E-1200	5000
H-1200	4000



Section	Recommended Load in lbs.
A-1200	3500
A-1400	2500
B-1200	4000
B-1400	2600
C-1200	3500
E-1200	3500
H-1200	2000



Section	Recommended Load in lbs.
A-1200	8000
A-1400	5500
B-1200	9000
B-1400	4800
C-1200	8000
E-1200	8000
H-1200	5500

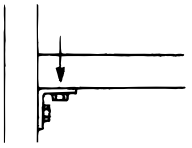
Safety factor of 2½

Table 5

Design load table for typical channel connections.

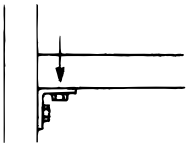
Safety factor of 2½ based on ultimate strength of the connection. Load diagrams indicate up to three design loads, for 12 gauge, 14 gauge and 16 gauge channel applications.

90° Fittings (When used in position shown)



AB-202

	Both ends supported.
A-1200	1500 lbs.
A-1400	1000 lbs.

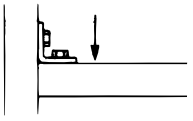


AB-203

	Both ends supported.
A-1200	2000 lbs.
A-1400	1500 lbs.

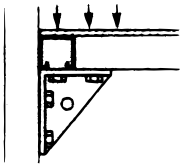
AB-201 700 lbs.

AB-203 700 lbs.



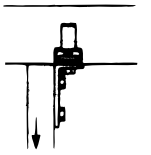
AB-202

	Both ends supported.
A-1200	1000 lbs.
A-1400	650 lbs.

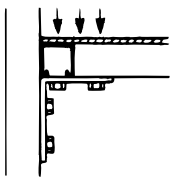


AB-213
AB-214

	Both ends supported.
A-1200	3000 lbs.
A-1400	2000 lbs.

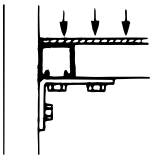


AB-200 1500 lbs.



AB-205
AB-216

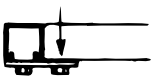
	Both ends supported.
A-1200	2000 lbs.
A-1400	2000 lbs.



AB-204
AB-215

	Both ends supported.
A-1200	1500 lbs.
A-1400	1000 lbs.

Flat Plate Fittings



AB-206

	Both ends supported.
A-1200	1000 lbs.
A-1400	800 lbs.

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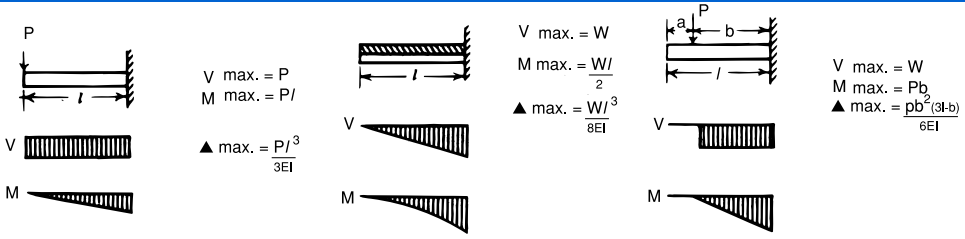
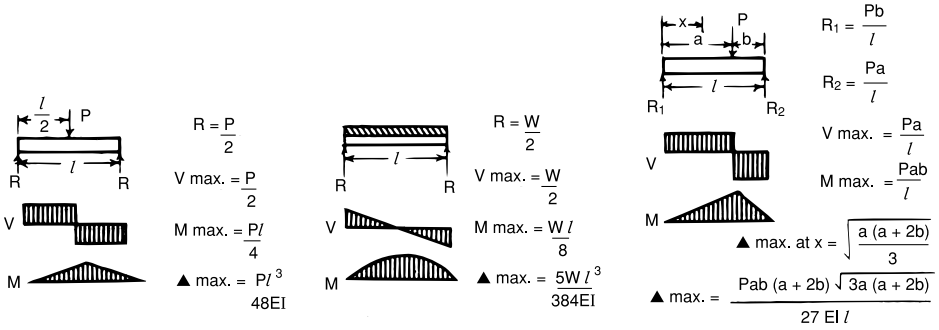
Design Applications

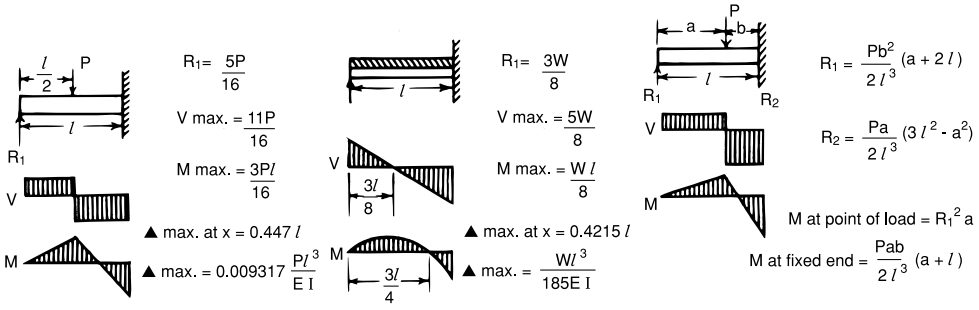
Cantilever Beams



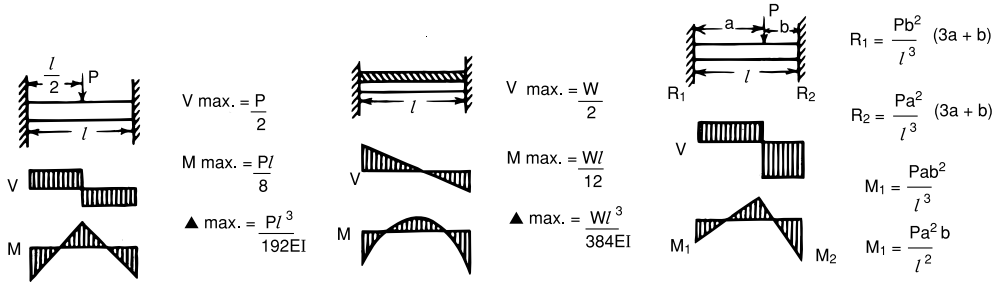
Simple Beams



Beams Fixed On One End, Supported at Other



Beams Fixed at Both Ends



R – Reaction
M – Moment
P – Concentrated load

W – Total uniform load
V – Shear

▲ – Deflection
E – Modulus of Elasticity
I – Moment of Inertia

J
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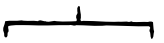
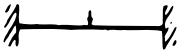
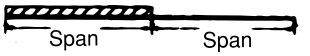
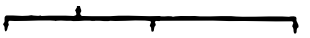
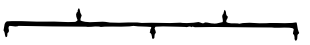
Design Applications

Table 6

Conversion Factors for Beams with Various Static Loading Conditions

Load tables on pages 65 thru 70 for A, B, C, E, and H series channel are for single span beams supported at the ends. These can be used in the majority of cases. There are times when it is necessary to know what happens with other loading and support conditions. Some common arrangements are shown in Table 6. Simply multiply the loads from the Design Load Tables times the factors given in Table 6. Examples shown on page J139.

LOAD AND SUPPORT CONDITION		LOAD FACTOR	DEFLECTION FACTOR
1. Simple Beam - Uniform Load		1.00	1.00
2. Simple Beam - Concentrated Load at Center		.50	1.25
3. Simple Beam - Two Equal Concentrated Loads at ¼ Points		1.00	1.10
4. Beam Fixed at Both Ends - Uniform Load		1.50	.30
5. Beam fixed at Both Ends - Concentrated Load at Center		1.00	.40
6. Cantilever Beam - Uniform Load		.25	2.40
7. Cantilever Beam - Concentrated Load at End		.12	3.20
8. Continuous Beam - Two Equal Spans - Uniform Load on One Span		1.30	.92
9. Continuous Beam - Two Equal Spans - Uniform Load on Both Ends		1.00	.42
10. Continuous Beam - Two Equal Spans - Concentrated Load at Center of One Span		.62	.71
11. Continuous Beam - Two Equal Spans - Concentrated Load at Center of Both Spans		.67	.48

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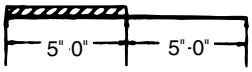
Design Applications



EXAMPLE I

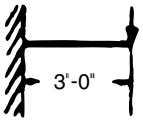
PROBLEM:

Determine the load and deflection of an A-1200 beam continuous over one support and loaded uniformly on one span.

SOLUTION:

A. From load table 3 for A-1200 the load for a 5'0" span is 706 lbs. and deflection is .358".

B. Multiply by factors from Table 6.
Load = 706 lbs. x 1.30 = 917.8 lbs.
Deflection = .358 x .92 = .329"



EXAMPLE II

PROBLEM:

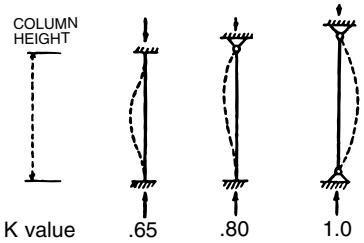
Determine load and deflection of an E-1200 cantilever beam with a concentrated load on the end.

SOLUTION:

A. From load table 3 for E-1200 the load for a 3'0" span is 2216 lbs. and deflection is .088".

B. Multiply by factors from Table 6.
Load = 2216 lbs. x .12 = 265.9 lbs.
Deflection - .088 x 3.20 = .282"

ILLUSTRATION 1



COLUMN LOADING

The load bearing capacity of column or compression members is a function of the inherent configurational strength, the unbraced length and design of the end connections.

Values of axial column loading given in Table 3 were calculated using a rotationally free and translation fixed correction at each end (see illustration I). This gives an end condition constant (K) of 1.

If other end conditions are used, axial loading should be calculated using procedures in the AISI specification for the design of cold formed steel structural members (SG671) and the engineering values for Superstrut channel given in Table 1.

END CONDITION CODE

Rotation fixed and translation fixed

Rotation free and translation fixed

Rotation fixed and translation free

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Design Applications

Table 7

Load Carrying Capacities of Hot Rolled Steel Rod

DIMENSIONS (inches) - LOADS	
Nominal Rod Dia.	Root Area Thread
⅜	.068
½	.126
⅝	.202
¾	.302
⅞	.419

Safety factor of 5

Table 8

Rod Size Determined by Pipe Size for Fire Protection

DIMENSIONS (inches) - LOADS	
Nominal Rod Dia.	Root Area Thread
¾ to 2	⅜
2½ to 3½	½
4 to 5	⅝
6	¾
8 to 12	⅞

Safety factor of 5

Table 9

Maximum Spacing Between Pipe Supports

Steel Pipe

Nom. Pipe Size (inches)	½	¾	1		1½	2	2½	3	3½	4	5	6	8	10	12	14	16	18	20	24
Max. Spacing (feet)	5	6	7		9	10	11	12	13	14	16	17	19	22	23	25	27	28	30	32

Copper Size

Nom. Pipe Size (inches)	½	¾	1	1¼	1½	2	2½	3	3½	4
Max. Spacing (feet)	5	6	6	7	8	9	10	10	11	12

Table 10

Minimum Spacing (inches) between Centers of Standard Pipe When Using Superstrut #702 Pipe Straps

Nom. Pipe Size	1/2	f	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	6	8
½	1 3/16												
¾	1 5/16	1 7/16											
1	1½	1 5/8	1¾										
1¼	1¾	1⅞	2	2¼									
1½	1 15/16	2 1/16	2 3/16	2 7/16	2 9/16								
2	2 3/16	2 5/16	2½	2¾	2⅞	3⅛							
2½	2 7/16	2 9/16	2¾	3	3⅛	3⅜	3⅝						
3	2 13/16	2 15/16	3 1/16	3 5/16	3 7/16	3¾	4	4 5/16					
3½	3⅛	3¼	3⅜	3⅝	3¾	4 1/16	4 5/16	4⅝	4 15/16				
4	3 7/16	3 9/16	3 15/16	4 1/16	4⅜	4⅝	4 15/16	5¼	5 9/16				
6	4¾	4⅞	5	5¼	5⅜	5⅜	5⅞	6 3/16	6½	6 3/16	7 7/16	8⅛	
8	5 7/16	6	6⅛	6⅜	6½	6¾	7	7 5/16	7⅝	8	8 9/16	9¼	10⅜

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Design Applications

Table 11

Standard Dimensions and Weights of Piping Materials and Conduit

Nominal Std. Pipe Size (inches)	Mechanical (Schedule 40) Pipe O.D. (inches)	Coupling O.D. (inches)
½	.84	1.06
¾	1.05	1.31
1	1.32	1.58
1¼	1.66	1.90
1½	1.90	2.20
2	2.38	2.75
2½	2.88	3.25
3	3.50	4.00
3½	4.00	4.63
4	4.50	5.00
5	5.56	6.30
6	6.63	7.39
8	8.63	9.23
10	10.75	
12	12.75	
14	14.00	
16	16.00	
18	18.00	
20	20.00	
22	22.00	
24	24.00	
26	26.00	
28	28.00	
30	30.00	

Nominal Conduit Size	Electrical Conduit Rigid Steel Conduit O.D. (inches)	Thin Wall (EMT) Conduit O.D. (inches)
½	.84	.71
¾	1.05	.92
1	1.32	1.16
1¼	1.66	1.51
2	2.38	2.20
2½	2.88	2.88
3	3.50	3.50
4	4.50	4.50

* Includes weight of heaviest conductor combination.

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Design Applications

Table 12

Extra Strong Pipe (Schedule 80)

A.S.A. B36.10 SCHEDULE NOS. AND NOMINAL WALL THICKNESS DESIGNATIONS	Nominal Pipe Size (inches)	O.D. (inches)	Wall Thickness (inches)	I.D. (inches)
	⅜	.675	.126	.423
	½	.840	.147	.546
	¾	1.050	.154	.742
	1	1.315	.179	.957
	1- ¼	1.660	.191	1.278
EXTRA STRONG	1- ½	1.900	.200	1.500
PIPE and	2	2.375	.218	1.939
SCHEDULE 80 PIPE	2- ½	2.875	.276	2.323
(through 8")	3	3.500	.300	2.900
	3- ½	4.000	.318	3.364
	4	4.500	.337	3.826
	5	5.563	.375	4.813
	6	6.625	.432	5.761
	8	8.625	.500	7.625
	10	10.750	.500	9.750
	12	12.750	.500	11.750
	14 OD	14.000	.500	13.000
EXTRA STRONG PIPE	16 OD	16.000	.500	15.000
(10" through 24" OD)				
	18 OD	18.000	.500	17.000
	20 OD	20.000	.500	19.000
	24 OD	24.000	.500	23.000
	10	10.750	.593	9.564
	12	12.750	.687	11.376
	14 OD	14.000	.750	12.500
SCHEDULE 80 PIPE	16 OD	16.000	.842	14.314
(10" through 24" OD)				
	18 OD	18.000	.937	16.126
	20 OD	20.000	1.031	17.938
	24 OD	24.000	1.218	21.564

Table 13

Pipe Covering Weights Thickness (intended as guide, only) and Weight of Calcium Silicate Covering.

Nominal Pipe Size	260° Thick. (inches)	360° Thick. (inches)	440° Thick. (inches)	525° Thick. (inches)	600° Thick. (inches)	700° Thick. (inches)	800° Thick. (inches)
1	1	1	1	1	1½	1½	1½
1- ¼	1	1	1	1	1½	1½	2
1- ½	1	1	1	1	1½	1½	2
2	1	1	1	1½	1½	2	2
2- ½	1	1	1	1½	1½	2	2½
3	1	1	1	1½	1½	2	2½
3- ½	1	1	1½	1½	2	2	2½
4	1	1	1½	1½	2	2	2½
5	1	1	1½	1½	2	2	2½
6	1½	1½	1½	1½	2	2	2½
8	1½	1½	1½	1½	2	2	2½

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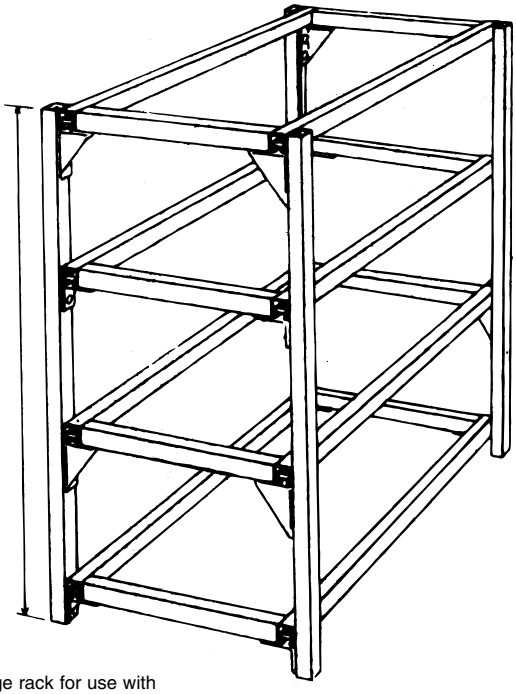
Design Applications

TABLE 14



Typical general storage rack for use with plywood or other decking

- *GENERAL STORAGE RACKS*
- *PALLET RACKS*
- *BARREL RACKS*
- *BULK FURNITURE RACKS*
- *CABLE RACKS*
- *BAR STOCK RACKS*
- *DISPLAY RACKS*
- *SPECIAL PURPOSE RACKS*
- *FOR UNIFORM LOADS ON HORIZONTAL MEMBERS SEE TABLE 3.*

Column Loading For Rack Construction

Column Height	Cat. No.	ALLOWABLE LOAD IN LBS. PER UPRIGHT NUMBER OF SHELVES PER UPRIGHT 2	3	4	5	6	7	8	9	10
	A-1200	2237	1925	1650	1437	1290				
6'	**A-1202**	4170	3580	3100	2730	2450				
	B-1400	800	820	790	700	630				
	B-1402	1930	1700	1500	1300	1190				
	A-1200	2150	1850	1630	1425	1280	1150			
7'	**A-1202**	4000	3525	3000	2700	2430	2200			
	B-1400	650	790	760	685	615	550			
	B-1402	1800	1650	1450	1300	1180	750			
	A-1200	2000	1820	1600	1400	1250	1150	1050		
8'	**A-1202**	3900	3475	3000	2700	2400	2185	2000		
	B-1400	580	750	730	660	610	540	510		
	B-1402	1650	1610	1450	1300	1160	940	970		
	A-1200	1950	1780	1575	1400	1250	1130	1030	950	
9'	**A-1202**	3800	3400	3020	2675	2400	2180	1975	1800	
	B-1400		600	665	600	580	540	500	475	
	B-1402	1500	1500	1430	1275	1160	1000	900	800	
	A-1200	1870	1700	1500	1300	1200	1100	1000	900	800
10'	**A-1202**	3600	3300	3000	2650	2350	2000	1975	1800	1650
	B-1400		550	650	625	580	535	490	450	425
	B-1402	1450	1480	1400	1250	1140	1040	960	885	825

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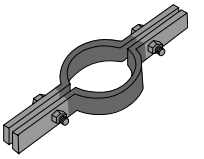
Federal Specifications (WW-H-171) / Manufacturers Society Specifications (MSS SP69)

C-710
Adj. Steel Clevis
Sizes ¾" thru 20" IPS
Federal Type 1
SP69 Type 1

C-726
Steel Double Bolt Pipe Clamp
Sizes 1½" thru 24" IPS
Federal Type 3
SP69 Type 3

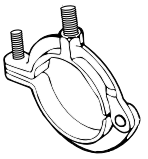
C-725
Steel Pipe Clamp
Sizes 1½" thru 24" IPS
Federal Type 4
SP69 Type 4

CF-710
Adj. Steel Band Hanger
Sizes ½" thru 8" IPS
¾" thru 4" Tube
Federal Type 7



C-720 / CT-720
Extension Pipe or Riser Clamp
Sizes ¾" thru 20" IPS
½" thru 6" Tube
Federal Type 8
SP69 Type 8

C-727 / CT-727
Adj. Swivel Ring Hanger
Sizes ½" thru 8" IPS
½" thru 4" Tube
Federal Type 10
SP69 Type 10

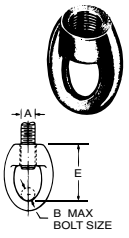


M-718 / MT-718
MI Split Pipe Ring
w/wo turnbuckle adj.
Sizes ½" thru 8" IPS
½" thru 4" Tube
Federal Type 11
SP69 Type 12

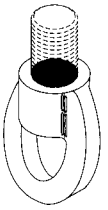
CL-710
Light Duty Clevis Hanger
Sizes ½" thru 4"
Federal Type 12

F-112
Forged Steel Turnbuckle
Sizes ⅜" thru 1½" Rod
Federal Type 13
SP69 Type 13

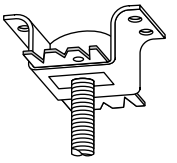
F-111
Forged Steel Clevis
Sizes ⅜" thru 1½" Rod
Federal Type 14
SP69 Type 13



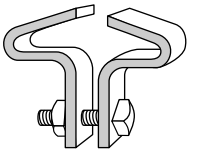
M-117
MI Socket only for S Split Ring Hanger
Sizes ⅜" thru ⅞" Rod
Federal Type 16
SP69 Type 16



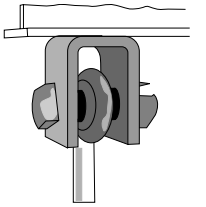
E-120-A
Forged Steel Weldless Eye Nut
Sizes ⅜" thru 1½" Rod
Federal Type 17
SP69 Type 17



452
Steel Concrete Insert
Federal Type 19
SP69 Type 18

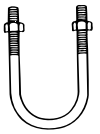


C-755 T / C-757 T
Center I-Beam Clamp
Federal Type 21
SP69 Type 21

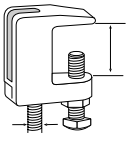


C-780
Welded Attachment
As shown or inverted less bolt
Federal Type 22
SP69 Type 22

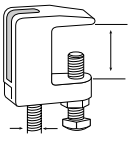
M-775-L / C-775-L
MI or Steel C-Clamp
Sizes ⅜" thru ⅞"
Federal Type 23
SP69 Type 23



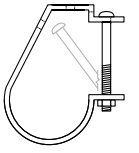
H-115
U-Bolt
Sizes ½" thru 24" IPS
Federal Type 24
SP69 Type 24



M-778
Top Beam C-Clamp
Sizes ⅜" thru ¾" Rod
SP69 Type 19



M-777
Junior Top Beam C-Clamp
Sizes ⅜" thru ½" Rod
SP69 Type 18



C-711
"J" Pipe Hanger
Sizes ½" thru 8" Pipe
SP69 Type 5

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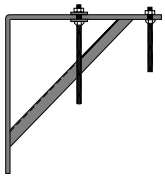
Federal Specifications (WW-H-171) / Manufacturers Society Specifications (MSS SP69)

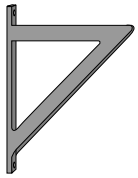
C-704-A
Offset J-Hook
Sizes ½" thru 3" IPS
Federal Type 27

M-732-H
I-Beam w/Eye Nut
Federal w/o links Type 28
Federal w/links Type 29
SP69 Type 28

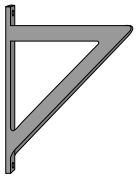
M-732 / M-732 Ext
I-Beam Clamp
w/Swing Nut
Sizes ⅜" thru ⅞" Rod
Federal Type 30
SP69 Type 30



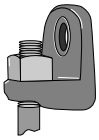
C-736
Light Welded Steel Bracket
Federal Type 32
SP69 Type 31



C-739-M
Medium Welded Steel
Bracket
Federal Type 33
SP69 Type 32



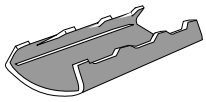
C-739-H
Heavy Welded Steel Bracket
Max. Load 3000 lbs.
Federal Type 34
SP69 Type 33



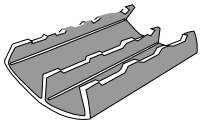
M-750
Side Beam Bracket
Sizes ⅜" thru ⅞" Rod
Federal Type 35
SP69 Type 34

C-785-A
Pipe Stanchion Saddle
Sizes 4" thru 36" IPS
Federal Type 38
SP69 Type 37

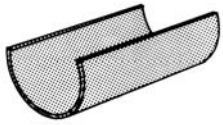
C-786
Adj. Pipe Saddle Support
Sizes 2½" thru 36" IPS
Federal Type 39
SP69 Type 38



C-789
Steel Pipe Covering
Protection Saddle
Sizes up to and including
10" IPS
Federal Type 40A
SP69 Type 39



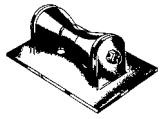
C-789
Steel Pipe Covering
Protection Saddle
Sizes 12" IPS and larger
Federal Type 40B
SP69 Type 39



C-790
Insulation Protection Shield
for Vapor sealed pipe lines
and insulated copper tubing
Sizes ¾" thru 12" IPS
Federal Type 41
SP69 Type 40

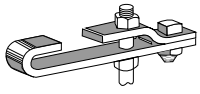
RC-729A
Single Pipe Roll
Sizes 1" thru 24" IPS
Federal Type 42
SP69 Type 41

C-729
Adj. Roller Hanger
Sizes 1" thru 20" IPS
Federal Type 44
SP69 Type 43



S-730-C
Pipe Roll Complete
Federal Type 45
SP69 Type 44

S-730-D
Adj. Pipe Roll & Base
Federal Type 47
SP69 Type 46



C-769
Top I-Beam Clamp
Sizes ¾" thru ⅞" Rod
Federal Type 53
SP69 Type 25

J
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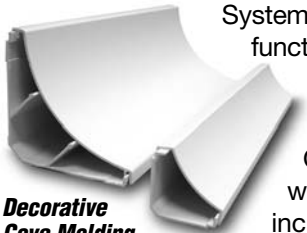

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